PRELIMINARY MANUAL

D820X

2CH-DIGITAL-RECORDER

VOLUME II

DIAGRAMS

VOLUME I OPERATING Order No. 10.27.0580
VOLUME III SERVICING Order No. 10.27.0600
DOS-DISK (not yet available) Order No. 10.27.0620

VOLUME I and VOLUME II and VOLUME III Order No. 10.27.0610

Prepared and edited by
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Printed in Switzerland, Order no. 10.27.0590 (Ed. 1186)

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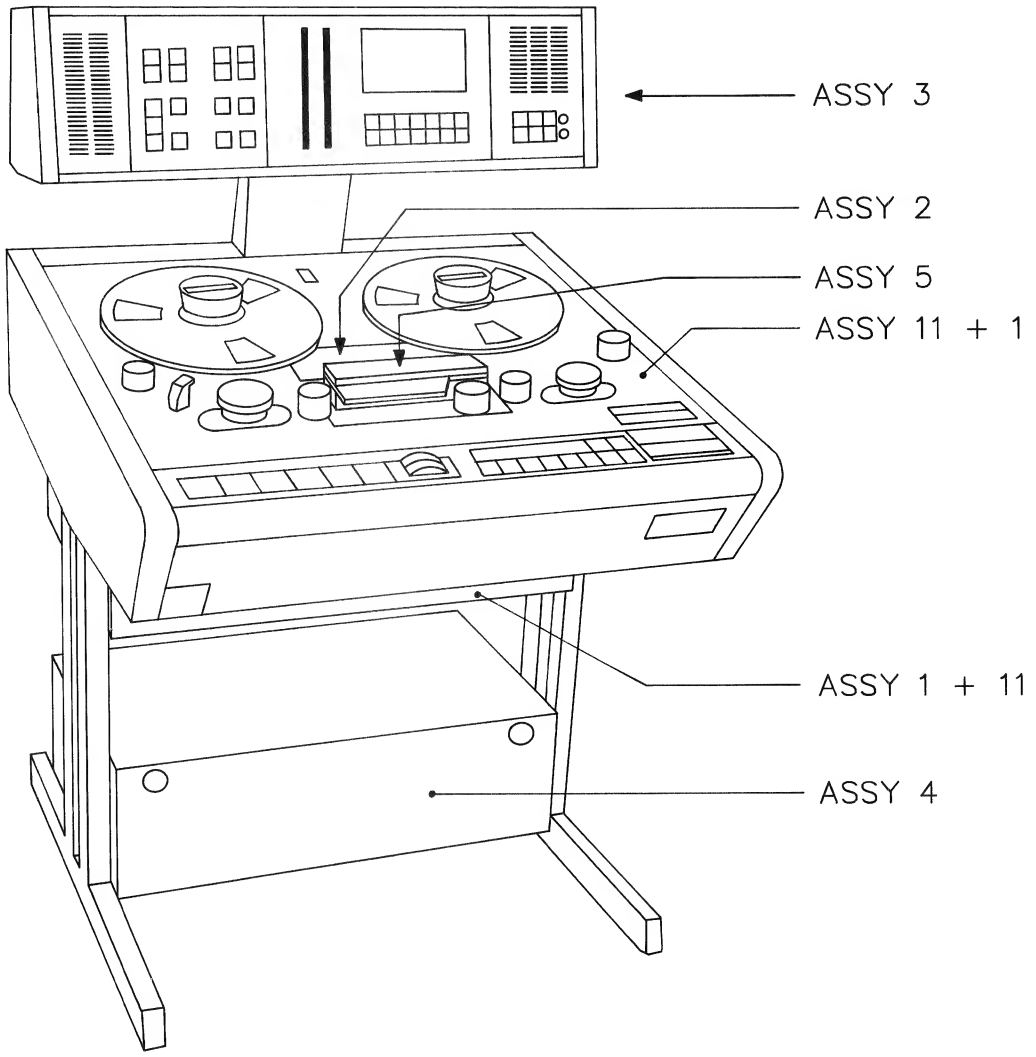
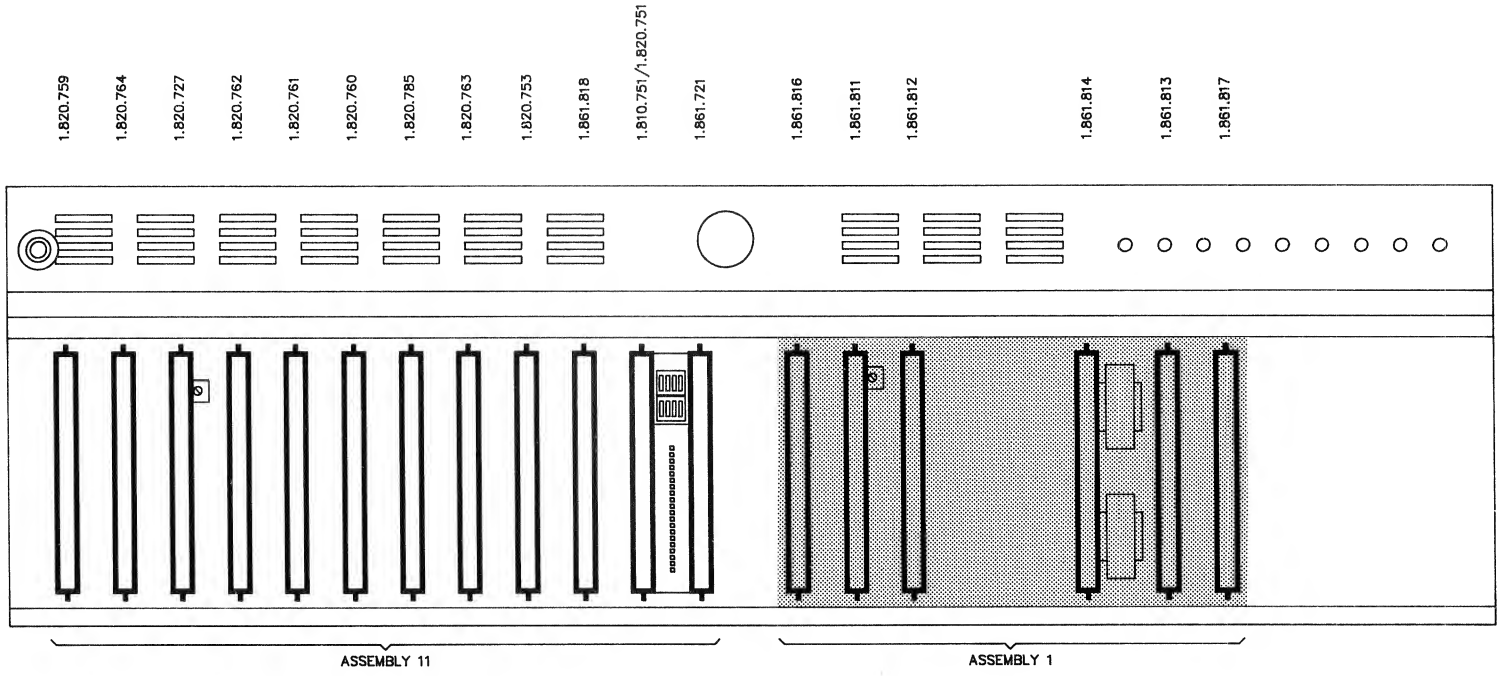


PUBLISHED: 02/87

1. ASSEMBLY 1 RACK ELECTRONICS

PUBLISHED: 1/87

BOARD LOCATION



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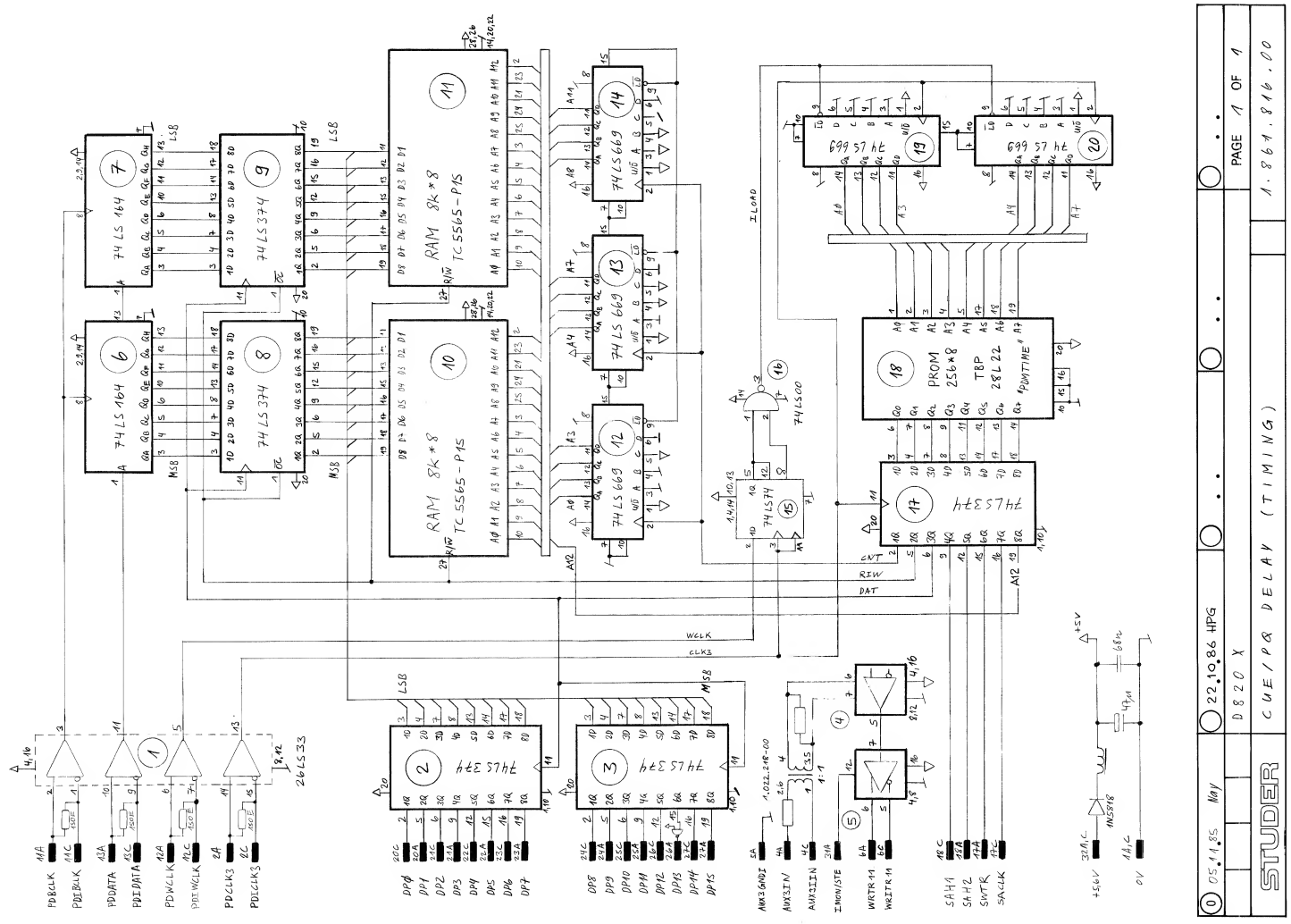

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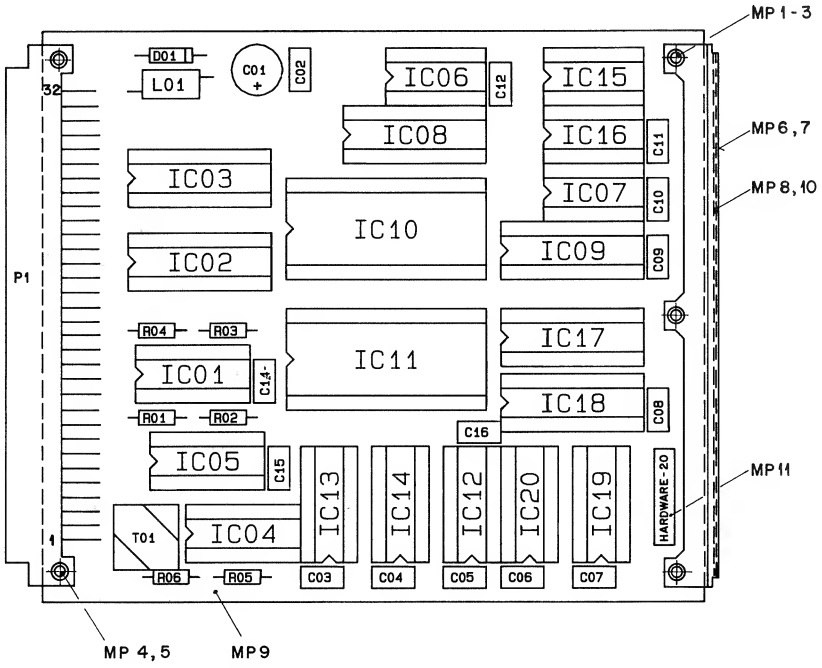

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.22.5470	47u	20%, 25V, EL	ANY
	C.....2	59.99.0205	68n	20%, 20V, CER	ANY
	C.....3	59.99.0205	68n	20%, 20V, CER	ANY
	C.....4	59.99.0205	68n	20%, 20V, CER	ANY
	C.....5	59.99.0205	68n	20%, 20V, CER	ANY
	C.....6	59.99.0205	68n	20%, 20V, CER	ANY
	C.....7	59.99.0205	68n	20%, 20V, CER	ANY
	C.....8	59.99.0205	68n	20%, 20V, CER	ANY
	C.....9	59.99.0205	68n	20%, 20V, CER	ANY
	C....10	59.99.0205	68n	20%, 20V, CER	ANY
	C....11	59.99.0205	68n	20%, 20V, CER	ANY
	C....12	59.99.0205	68n	20%, 20V, CER	ANY
	C....14	59.99.0205	68n	20%, 20V, CER	ANY
	C....15	59.99.0205	68n	20%, 20V, CER	ANY
	C....16	59.99.0205	68n	20%, 20V, CER	ANY
	D.....1	50.04.0512		1N 5818	ANY
	IC.....1	50.15.0109		AM26 LS 33 PC, DS26 LS33 CN	ANY
	IC.....2	50.06.0374		SN 74 LS 374 N	ANY
	IC.....3	50.06.0374		SN 74 LS 374 N	ANY
	IC.....4	50.15.0109		AM26 LS 33 PC, DS26 LS33 CN	ANY
	IC.....5	50.15.0108		AM26 LS 31 PC, AM26 LS31 CN	ANY
	IC.....6	50.06.0164		SN 74 LS 164 N	ANY
	IC.....7	50.06.0164		SN 74 LS 164 N	ANY
	IC.....8	50.06.0374		SN 74 LS 374 N	ANY
	IC.....9	50.06.0374		SN 74 LS 374 N	ANY
	IC....10	50.14.0133		HM 6264 P-15, TC 5564-15	ANY
	IC....11	50.14.0133		HM 6264 P-15, TC 5564-15	ANY
	IC....12	50.06.0669		SN 74 LS 669 N	ANY
	IC....13	50.06.0669		SN 74 LS 669 N	ANY
	IC....14	50.06.0669		SN 74 LS 669 N	ANY
	IC....15	50.06.0074		SN 74 LS 74 N	ANY
	IC....16	50.06.0000		SN 74 LS 00 N	ANY
	IC....17	50.06.0374		SN 74 LS 374 N	ANY
	IC....18	50.14.0114		TBP 28L 22N, 6309-1N (1.861.429.20)	ANY
	IC....19	50.06.0669		SN 74 LS 669 N	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....20	50.06.0669		SN 74 LS 669 N	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	28.21.1370		RIVETING NUT, DZ.2585.5	ANY
	MP....2	28.21.1370		RIVETING NUT, DZ.2585.5	ANY
	MP....3	28.21.1370		RIVETING NUT, DZ.2585.5	ANY
	MP....4	28.99.0119		RIVETING NUT, DZ.590.1510	ANY
	MP....5	28.99.0119		RIVETING NUT, DZ.590.1510	ANY
	MP....6	1.010.006.33		MARKING HANDLE	St
	MP....7	1.010.006.33		MARKING HANDLE	St
	MP....8	1.010.096.49		TRANSPARENT COVER	St
	MP....9	1.861.816.12		PCB	St
	MP....10	1.861.816.01		NAME PLATE, 6.3*91	St
	MP....11	1.010.001.20		LABEL SOFTWARE VERSION -20	St
	P.....1	54.01.0365		CARD CONNECTOR, 2*32 EURO SOLDERING	ANY
	R.....1	57.11.4151	150	5%	ANY
	R.....2	57.11.4151	150	5%	ANY
	R.....3	57.11.4151	150	5%	ANY
	R.....4	57.11.4151	150	5%	ANY
	R.....5	57.11.4151	150	5%	ANY
	R.....6	57.11.4561	150	5%	ANY
	T.....1	1.022.218.00		INPUT-TRANSFORMER 1 : 1	St
	XIC...1	53.03.0168		DIL 16-PIN	ANY
	XIC...2	53.03.0165		DIL 20-PIN	ANY
	XIC...3	53.03.0165		DIL 20-PIN	ANY
	XIC...4	53.03.0168		DIL 16-PIN	ANY
	XIC...5	53.03.0168		DIL 16-PIN	ANY
	XIC...6	53.03.0167		DIL 14-PIN	ANY
	XIC...7	53.03.0167		DIL 14-PIN	ANY
	XIC...8	53.03.0165		DIL 20-PIN	ANY
	XIC...9	53.03.0165		DIL 20-PIN	ANY
	XIC..10	53.03.0173		DI 28-PIN	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC..11	53.03.0173		DI 28-PIN	ANY
	XIC..12	53.03.0168		DIL 16-PIN	ANY
	XIC..13	53.03.0168		DIL 16-PIN	ANY
	XIC..14	53.03.0168		DIL 16-PIN	ANY
	XIC..15	53.03.0167		DIL 14-PIN	ANY
	XIC..16	53.03.0167		DIL 14-PIN	ANY
	XIC..17	53.03.0165		DIL 20-PIN	ANY
	XIC..18	53.03.0165		DIL 20-PIN	ANY
	XIC..19	53.03.0168		DIL 16-PIN	ANY
	XIC..20	53.03.0168		DIL 16-PIN	ANY

REMARKS:

MANUFACTURERS:
St = STUDER
Ph = PHILIPS

ABBREVIATIONS:
CER = CERAMIC / EL = ELECTROLYTIC
XIC = IC SOCKET

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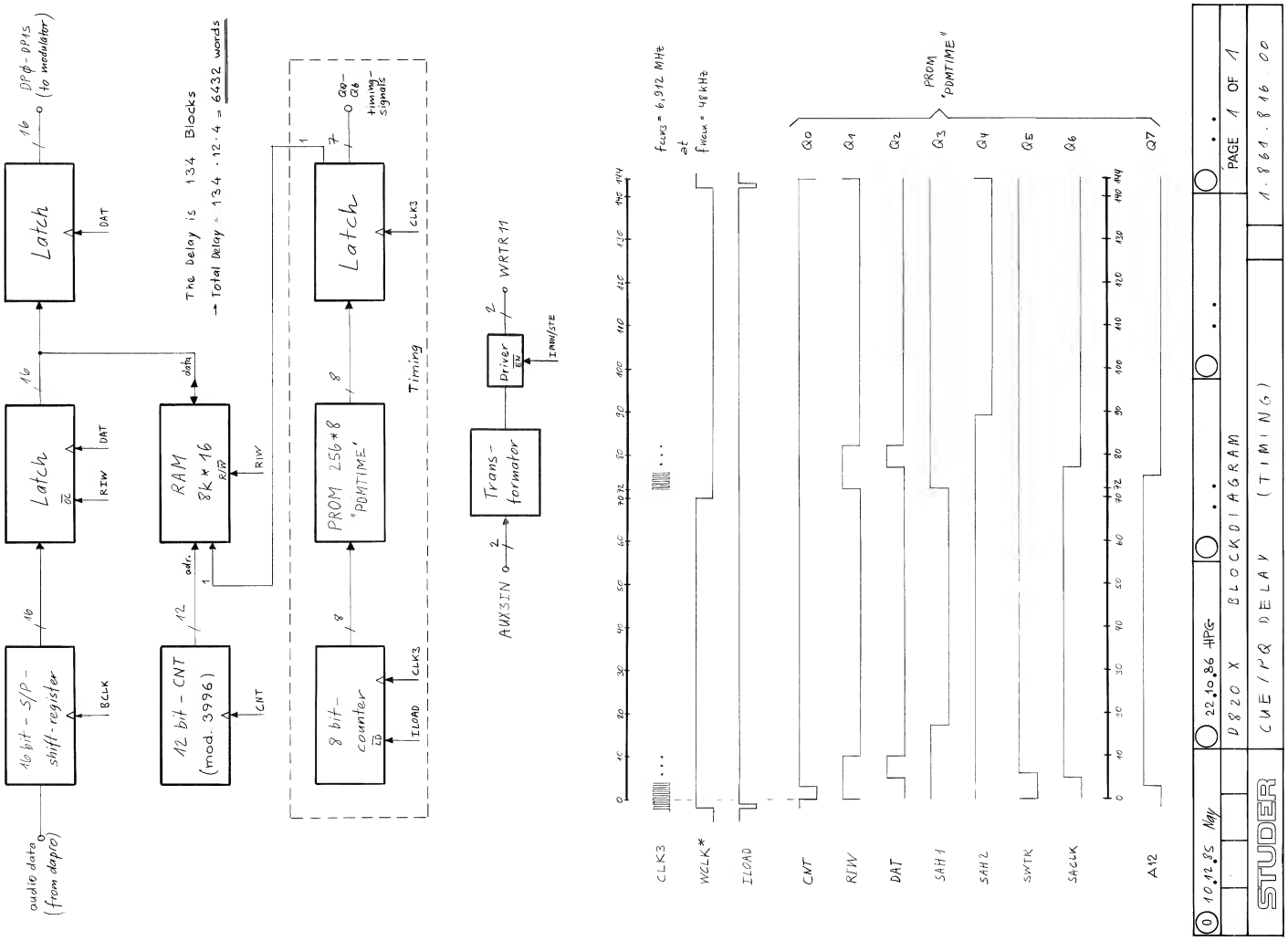

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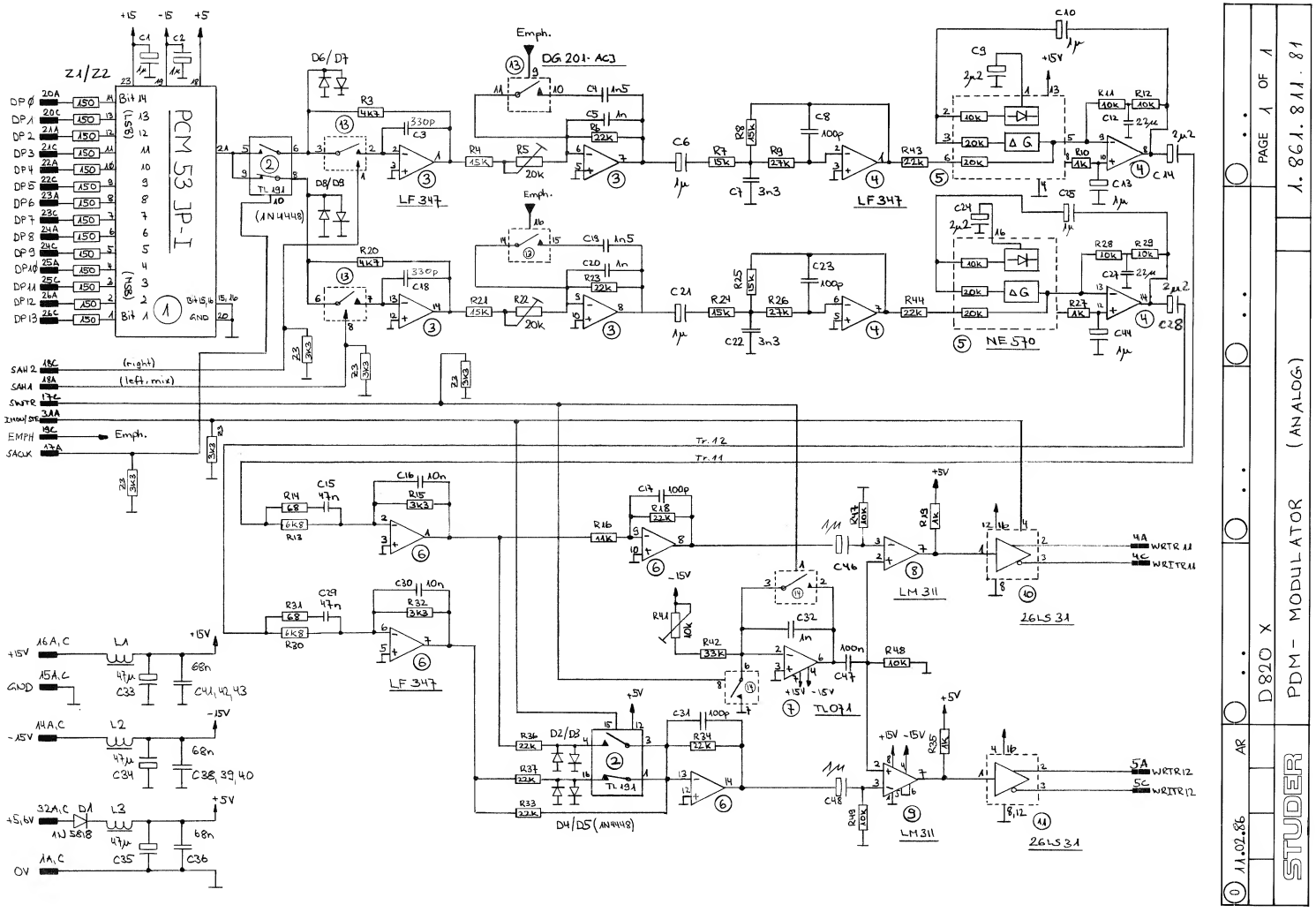

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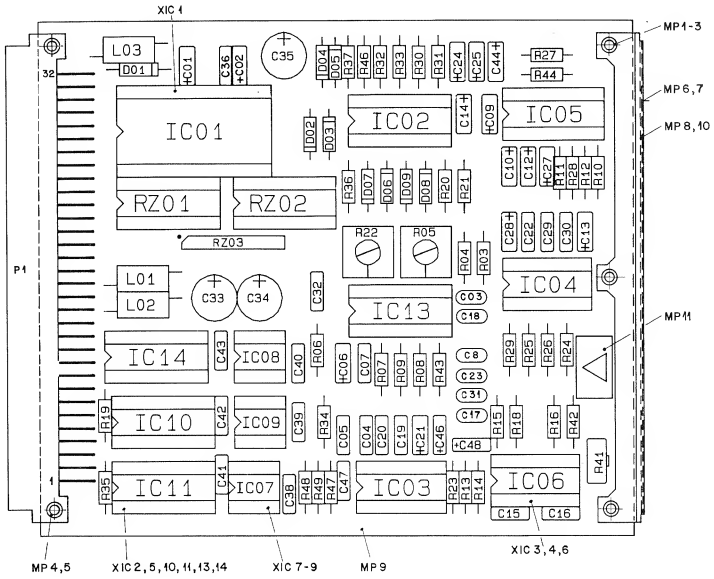

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			Ges.	0
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Kopie für:

24 NOV 1986

Nummer: 1.861.811-81

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.26.9109	1u	20%	ANY
	C....2	59.26.9109	1u	20%	ANY
	C....3	59.34.4331	330p	20%	ANY
	C....4	59.06.0152	1500p	10%	ANY
	C....5	59.06.0102	1000p	10%	ANY
	C....6	59.26.9109	1u	20%	ANY
	C....7	59.06.0332	3300p	10%	ANY
	C....8	59.34.4101	100p	5%	ANY
	C....9	59.26.5229	2.2u	20%	ANY
	C....10	59.26.9109	1u	20%	ANY
	C....12	59.26.1220	22u	20%	ANY
	C....13	59.26.9109	1u	20%	ANY
	C....14	59.26.5229	2.2u	20%	ANY
	C....15	59.06.5473	47n	5%	ANY
	C....16	59.06.5103	10n	5%	ANY
	C....17	59.34.4101	100p	20%	ANY
	C....18	59.34.4331	330p	20%	ANY
	C....19	59.06.0152	1500p	10%	ANY
	C....20	59.06.0102	1000p	10%	ANY
	C....21	59.26.9109	1u	20%	ANY
	C....22	59.06.0332	3300p	10%	ANY
	C....23	59.34.4101	100p	5%	ANY
	C....24	59.26.5229	2.2u	20%	ANY
	C....25	59.26.9109	1u	20%	ANY
	C....27	59.26.1220	22u	20%	ANY
	C....28	59.26.5229	2.2u	20%	ANY
	C....29	59.06.5473	47n	5%	ANY
	C....30	59.06.5103	10n	5%	ANY
	C....31	59.34.4101	100p	20%	ANY
	C....32	59.06.0102	1000p	10%	ANY
	C....33	59.22.5470	47u	20%	ANY
	C....34	59.22.5470	47u	20%	ANY
	C....35	59.22.5470	47u	20%	ANY
	C....36	59.06.0683	68n	10%	ANY
	C....38	59.06.0683	68n	10%	ANY
	C....39	59.06.0683	68n	10%	ANY
	C....40	59.06.0683	68n	10%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....41	59.06.0683	68n	10%	ANY
	C....42	59.06.0683	68n	10%	ANY
	C....43	59.06.0683	68n	10%	ANY
	C....44	59.26.9109	1u	20%	ANY
	C....46	59.26.9109	1u	20%	ANY
	C....47	59.06.0104	100n	20%	ANY
	C....48	59.26.9109	1u	20%	ANY
	D....1	50.04.0512		1N 5818, 1N 5819	ANY
	D....2	50.04.0125		1N 4448	ANY
	D....3	50.04.0125		1N 4448	ANY
	D....4	50.04.0125		1N 4448	ANY
	D....5	50.04.0125		1N 4448	ANY
	D....6	50.04.0125		1N 4448	ANY
	D....7	50.04.0125		1N 4448	ANY
	D....8	50.04.0125		1N 4448	ANY
	D....9	50.04.0125		1N 4448	ANY
	IC....1	50.19.0103		PCM 53 JG-1	BB
	IC....2	50.11.0120		TL 191 CN, OG 390 CJ	ANY
	IC....3	50.09.0104		LF 347 N	ANY
	IC....4	50.09.0104		LF 347 N	ANY
	IC....5	50.11.0134		NE 570 N	Sig
	IC....6	50.09.0104		LF 347 N	ANY
	IC....7	50.09.0103		TL 071 CP	ANY
	IC....8	50.11.0114		LM 311 N, LM 311 P	ANY
	IC....9	50.11.0114		LM 311 N, LM 311 P	ANY
	IC....10	50.15.0108		AM26 LS 31 PC, AM26 LS 31 CN	ANY
	IC....11	50.15.0108		AM26 LS 31 PC, AM26 LS 31 CN	ANY
	IC....13	50.07.0034		OG 201 ACJ, HI 3-201-5,	ANY
	IC....14	50.07.0034		OG 201 ACJ, HI 3-201-5,	ANY
	L....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L....2	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L....3	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	28.21.1370		RIVETING NUT, 02.2595.5	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....2	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP....3	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP....4	28.99.0119		RIVETING NUT, 02.5901.15910	ANY
	MP....5	28.99.0119		RIVETING NUT, 02.5901.15910	ANY
	MP....6	1.010.006.33		MARKING HANDLE	ANY
	MP....7	1.010.006.33		MARKING HANDLE	ANY
	MP....8	1.010.096.49		TRANSPARENT COVER	ANY
	MP....9	1.861.811.12		PCB	St
	MP....10	1.861.811.01		NAME PLATE, 6.3991	St
	MP....11	43.01.0108		LABEL #ESE#	ANY
	P....1	54.01.0365		CARD CONNECTOR, 2*32 EURO SOLDERING	ANY
	R....3	57.11.4472	4.7K	5%	ANY
	R....4	57.11.4153	15K	5%	ANY
	R....5	58.01.8203	20K	10%	ANY
	R....6	57.11.4223	22K	5%	ANY
	R....7	57.11.4153	15K	5%	ANY
	R....8	57.11.4153	15K	5%	ANY
	R....9	57.11.4273	27K	5%	ANY
	R....10	57.11.4102	1K	5%	ANY
	R....11	57.11.4103	10K	5%	ANY
	R....12	57.11.4103	10K	5%	ANY
	R....13	57.11.4682	6.8K	5%	ANY
	R....14	57.11.4680	68	5%	ANY
	R....15	57.11.4332	3.3K	5%	ANY
	R....16	57.11.3113	11K	5%	ANY
	R....18	57.11.4223	22K	5%	ANY
	R....19	57.11.4102	1K	5%	ANY
	R....20	57.11.4472	4.7K	5%	ANY
	R....21	57.11.4153	15K	5%	ANY
	R....22	58.01.8203	20K	10%	ANY
	R....23	57.11.4223	22K	5%	ANY
	R....24	57.11.4153	15K	5%	ANY
	R....25	57.11.4153	15K	5%	ANY
	R....26	57.11.4273	27K	5%	ANY
	R....27	57.11.4102	1K	5%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....28	57.11.4103	10k	5%	ANY
	R....29	57.11.4103	10k	5%	ANY
	R....30	57.11.4682	6.8k	5%	ANY
	R....31	57.11.4680	68	5%	ANY
	R....32	57.11.4332	3.3k	5%	ANY
	R....33	57.11.4223	22k	5%	ANY
	R....34	57.11.4223	22k	5%	ANY
	R....35	57.11.4102	1k	5%	ANY
	R....36	57.11.4223	22k	5%	ANY
	R....37	57.11.4223	22k	5%	ANY
	R....41	58.01.4103	10k	10%	ANY
	R....42	57.11.4333	33K	5%	ANY
	R....43	57.11.4223	22k	5%	ANY
	R....44	57.11.4223	22k	5%	ANY
	R....47	57.11.4103	10k	5%	ANY
	R....48	57.11.4103	10k	5%	ANY
	R....49	57.11.4103	10k	5%	ANY
	RZ....1	57.88.3151	150		ANY
	RZ....2	57.88.3151	150		ANY
	RZ....3	57.88.4332	3.3k		ANY
	XIC...1	53.03.0169		DIL 24-PIN	ANY
	XIC...2	53.03.0168		DIL 16-PIN	ANY
	XIC...3	53.03.0167		DIL 14-PIN	ANY
	XIC...4	53.03.0167		DIL 14-PIN	ANY
	XIC...5	53.03.0168		DIL 16-PIN	ANY
	XIC...6	53.03.0167		DIL 14-PIN	ANY
	XIC...7	53.03.0166		DIL 8-PIN	ANY
	XIC...8	53.03.0166		DIL 8-PIN	ANY
	XIC...9	53.03.0166		DIL 8-PIN	ANY
	XIC...10	53.03.0168		DIL 16-PIN	ANY
	XIC...11	53.03.0168		DIL 16-PIN	ANY
	XIC...13	53.03.0168		DIL 16-PIN	ANY
	XIC...14	53.03.0168		DIL 16-PIN	ANY
	XIC...15	53.03.0166		DIL 16-PIN	ANY
	XIC...16	53.03.0168		DIL 16-PIN	ANY

REMARKS:

MANUFACTURERS:
St = STUDER / Sig = SIGNETICS / BB = BURR-BROWN
Ph = PHILIPS

ABBREVIATIONS:
CER = CERAMIC / EL = ELECTROLYTIC
XIC = IC SOCKET

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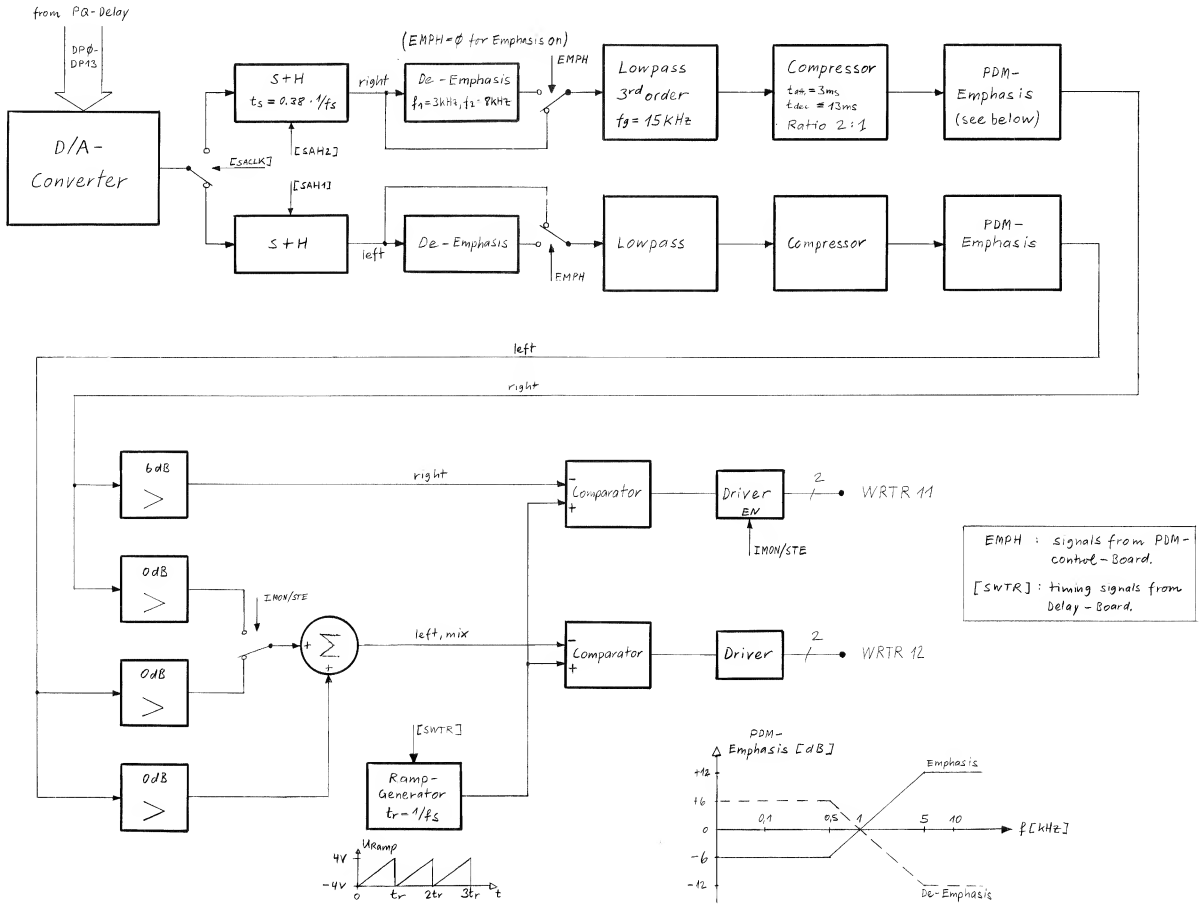

EMPH : signals from PDM-control-Board.

[SWTR] : timing signals from Delay-Board.

0 09.12.86 ss May

STUDER D820X BLOCKDIAGRAM PDM MODULATOR

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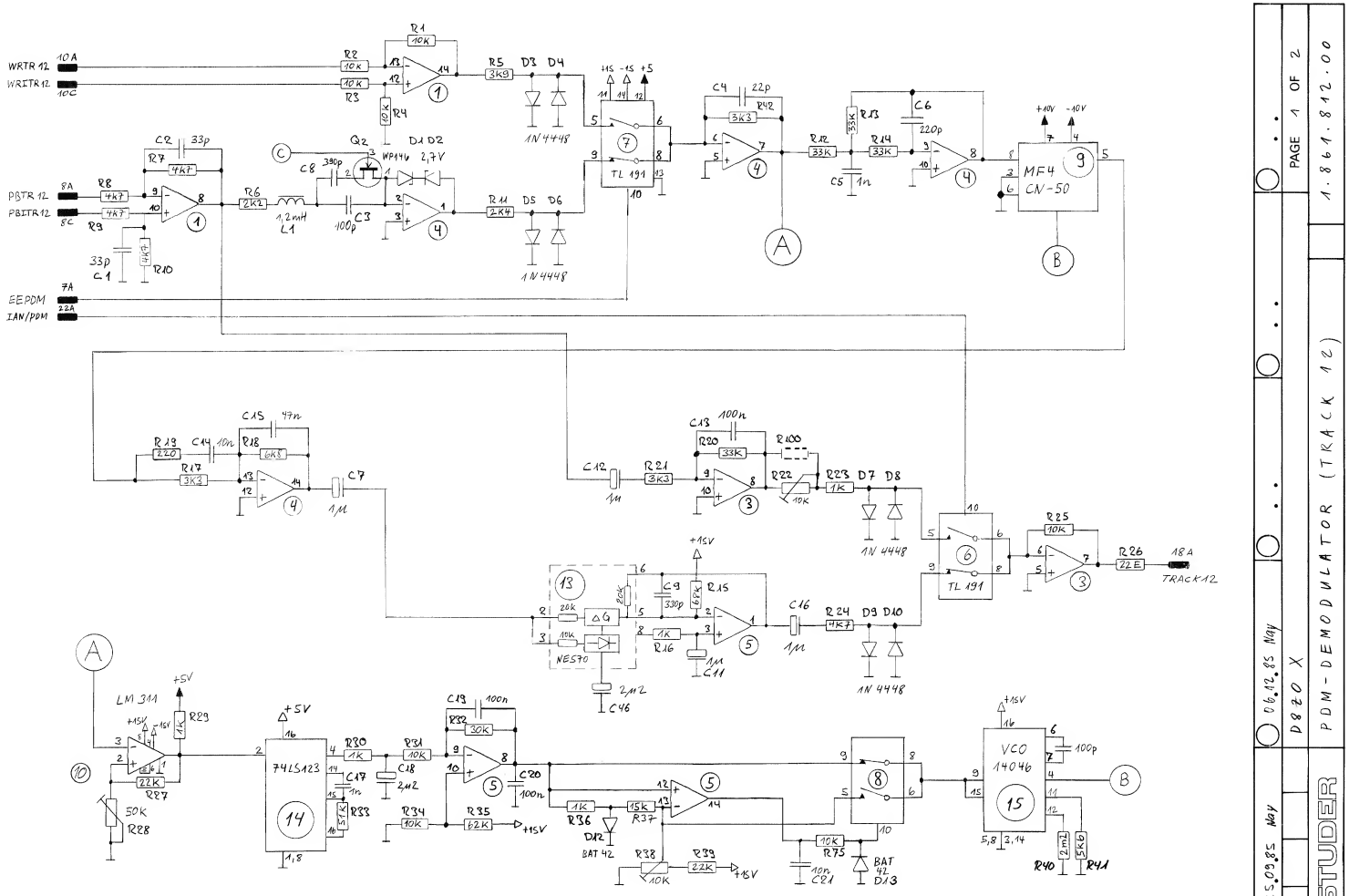

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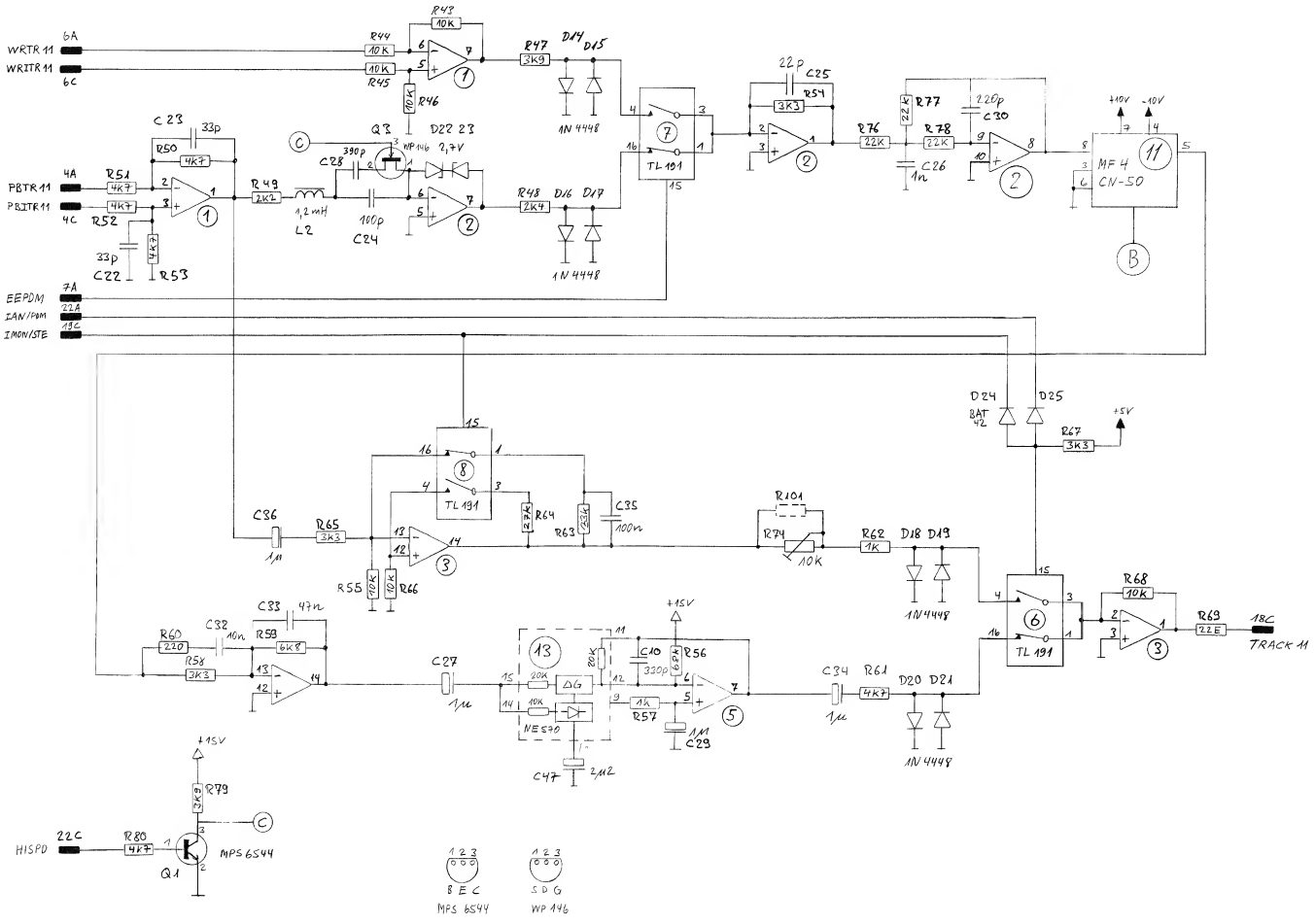

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PDM-DEMODULATOR (TRACK 11)

D820X

STUDER

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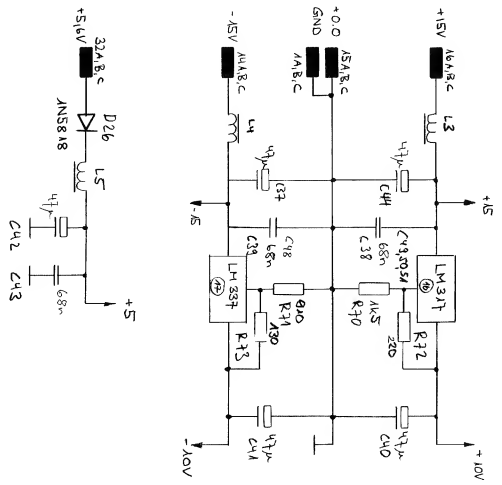


CH 1:

4A = PBTR/1
4C = PBITR/1
6A = WRTR/1
6C = WRITR/1
8A = PDM-1

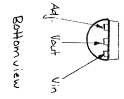
CH 2:

8A = PBTR/2
8C = PBITR/2
10A = WRTR/2
10C = WRITR/2
18C = PDM-2

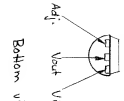
SIMILAR CIRCUIT AS ABOVE STABILIZERS AND WRITE SPEED CIRCUITRY ONLY USED ONCE.

CONNECTION DIAGRAM

LM317:



LM 337:



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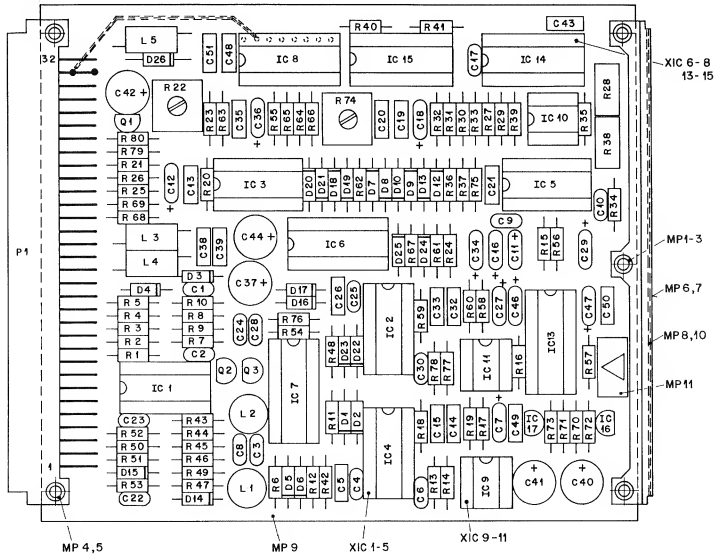

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24. NOV. 1986

Nummer: 1.861.812-00

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....	1	59.32.1330	33p	20%	ANY
C....	2	59.32.1330	33p	20%	ANY
C....	3	59.34.4101	100p	20%	ANY
C....	4	59.34.2220	22p	20%	ANY
C....	5	59.06.0102	1n	20%	ANY
C....	6	59.34.4221	220p	20%	ANY
C....	7	59.26.9109	1u	20%	ANY
C....	8	59.34.5391	390p	20%	ANY
C....	9	59.34.4331	330p	20%	ANY
C....	10	59.34.4331	330p	20%	ANY
C....	11	59.26.9109	1u	20%	ANY
C....	12	59.26.9109	1u	20%	ANY
C....	13	59.06.0104	100n	20%	ANY
C....	14	59.06.5103	10n	5%	ANY
C....	15	59.06.5473	47n	5%	ANY
C....	16	59.26.9109	1u	20%	ANY
C....	17	59.06.0102	1u	20%	ANY
C....	18	59.26.5229	2.2u	20%	ANY
C....	19	59.06.0104	100n	20%	ANY
C....	20	59.06.0104	100n	20%	ANY
C....	21	59.06.0103	10n	20%	ANY
C....	22	59.32.1330	33p	20%	ANY
C....	23	59.32.1330	33p	20%	ANY
C....	24	59.34.4101	100p	20%	ANY
C....	25	59.34.2220	22p	20%	ANY
C....	26	59.06.0102	1n	20%	ANY
C....	27	59.26.9109	1u	20%	ANY
C....	28	59.34.5391	390p	20%	ANY
C....	29	59.26.9109	1u	20%	ANY
C....	30	59.34.4221	220p	20%	ANY
C....	32	59.06.5103	10n	5%	ANY
C....	33	59.06.5473	47n	5%	ANY
C....	34	59.26.9109	1u	20%	ANY
C....	35	59.06.0104	100n	20%	ANY
C....	36	59.26.9109	1u	20%	ANY
C....	37	59.22.5470	47u	20%	ANY
C....	38	59.99.0205	68n	20%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....	39	59.99.0205	68n	20%	ANY
C....	40	59.22.5470	47u	20%	ANY
C....	41	59.22.5470	47u	20%	ANY
C....	42	59.22.5470	47u	20%	ANY
C....	43	59.99.0205	68n	20%	ANY
C....	44	59.22.5470	47u	20%	ANY
C....	45			SEE NOTES	ANY
C....	46	59.26.5229	2.2u	20%	ANY
C....	47	59.26.5229	2.2u	20%	ANY
C....	48	59.99.0205	68n	20%	ANY
C....	49	59.99.0205	68n	20%	ANY
C....	50	59.99.0205	68n	20%	ANY
C....	51	59.99.0205	68n	20%	ANY
D....	1	50.04.1106	Z.7 V	10%	ANY
D....	2	50.04.1106	Z.7 V	10%	ANY
D....	3	50.04.0125	1N 4448		ANY
D....	4	50.04.0125	1N 4448		ANY
D....	5	50.04.0125	1N 4448		ANY
D....	6	50.04.0125	1N 4448		ANY
D....	7	50.04.0125	1N 4448		ANY
D....	8	50.04.0125	1N 4448		ANY
D....	9	50.04.0125	1N 4448		ANY
D....	10	50.04.0125	1N 4448		ANY
D....	11	50.04.0127	BAT 42,	BAT 85, BAS 40-02	ANY
D....	13	50.04.0127	BAT 42,	BAT 85, BAS 40-02	ANY
D....	14	50.04.0125	1N 4448		ANY
D....	15	50.04.0125	1N 4448		ANY
D....	16	50.04.0125	1N 4448		ANY
D....	18	50.04.0125	1N 4448		ANY
D....	19	50.04.0125	1N 4448		ANY
D....	20	50.04.0125	1N 4448		ANY
D....	21	50.04.0125	1N 4448		ANY
D....	22	50.04.0125	1N 4448		ANY
D....	23	50.04.1106	Z.7 V	10%	ANY
D....	24	50.04.0127	BAT 42,	BAT 85, BAS 40-02	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	25	50.04.0127	BAT 42,	BAT 85, BAS 40-02	ANY
	26	50.04.0512	LN 5818		ANY
IC....	1	50.09.0104		LF 347 N	ANY
IC....	2	50.09.0104		LF 347 N	ANY
IC....	3	50.09.0104		LF 347 N	ANY
IC....	4	50.09.0104		LF 347 N	ANY
IC....	5	50.09.0104		LF 347 N	ANY
IC....	6	50.11.0120		TL 191 CN, OG 390 CJ	ANY
IC....	7	50.11.0120		TL 191 CN OG 390 CJ	ANY
IC....	8	50.11.0120		TL 191 CN, OG 390 CJ	ANY
IC....	9	50.11.0135		MFACN-50 (#19)	NS
IC....	10	50.11.0104		LF 347 N	ANY
IC....	11	50.11.0135		MFACN-50 (#19)	NS
IC....	13	50.11.0134		NE570, COMPANDER	Sig
IC....	14	50.08.0123		74 LS 123	ANY
IC....	15	50.07.0046		MC 14046 BPC	ANY
IC....	16	50.10.0108		LM 317 LZ	ANY
IC....	17	50.10.0109		LM 337 LZ	ANY
L....	1	62.02.2122	1.2mH	FILTER COIL	TOK
L....	2	62.02.2122	1.2mH	FILTER COIL	TOK
L....	3	67.01.0115		WIDE-BAND HF-CHOKE	Ph
L....	4	62.01.0115		WIDE-BAND HF-CHOKE	Ph
L....	5	62.01.0115		WIDE-BAND HF-CHOKE	Ph
MP....	1	28.21.1370	1 PCS	RIVETING NUT, D2.2595-5	ANY
MP....	2	28.21.1370	1 PCS	RIVETING NUT, D2.2595-5	ANY
MP....	3	28.21.1370	1 PCS	RIVETING NUT, D2.2595-5	ANY
MP....	4	28.99.0119	1 PCS	RIVETING NUT, D2.590.15*10	ANY
MP....	5	28.99.0119	1 PCS	RIVETING NUT, D2.590.15*10	ANY
MP....	6	1.010.006.33	1 PCS	MARKING HANDLE	St
MP....	7	1.010.006.33	1 PCS	MARKING HANDLE	St
MP....	8	1.010.096.49	1 PCS	TRANSPARENT COVER	St
MP....	9	1.861.812.11	1 PCS	PCB	St
MP....	10	1.861.812.01	1 PCS	NAME PLATE, 6.3*91	St
MP....	11	43.01.0108		ESE-LABEL	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
P....	1	54.01.0365		CARD CONNECTOR, 2*32 EURO SOLDERING	ANY
Q....	1	50.03.0327		MPS 6544 NPN	ANY
Q....	2	50.03.0329		WP 146 PD-FET	ANY
Q....	3	50.03.0329		WP 146 PD-FET	ANY
R....	1	57.11.4103	10k	5%	ANY
R....	2	57.11.4103	10k	5%	ANY
R....	3	57.11.4103	10k	5%	ANY
R....	4	57.11.4103	10k	5%	ANY
R....	5	57.11.4392	3.9k	5%	ANY
R....	6	57.11.4222	2.2k	5%	ANY
R....	7	57.11.4472	4.7k	5%	ANY
R....	8	57.11.4472	4.7k	5%	ANY
R....	9	57.11.4472	4.7k	5%	ANY
R....	10	57.11.4472	4.7k	5%	ANY
R....	11	57.11.3242	2.4k	5%	ANY
R....	12	57.11.4223	22k	5%	ANY
R....	13	57.11.4223	22k	5%	ANY
R....	14	57.11.4223	22k	5%	ANY
R....	15	57.11.4683	68k	5%	ANY
R....	16	57.11.4102	1k	5%	ANY
R....	17	57.11.4332	3.3k	5%	ANY
R....	18	57.11.4682	6.8k	5%	ANY
R....	19	57.11.4221	220	5%	ANY
R....	20	57.11.4333	33k	5%	ANY
R....	21	57.11.4332	3.3k	5%	ANY
R....	22	58.01.8103	10k	5%	ANY
R....	23	57.11.4102	1k	5%	ANY
R....	24	57.11.4472	4.7k	5%	ANY
R....	25	57.11.4103	10k	5%	ANY
R....	26	57.11.4220	22	5%	ANY
R....	27	57.11.4223	22k	5%	ANY
R....	28	58.01.4903	90k	5%	ANY
R....	29	57.11.4102	1k	5%	ANY
R....	30	57.11.4102	1k	5%	ANY
R....	31	57.11.4103	10k	5%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R....	32	57.11.3303	30k	5%	ANY
R....	33	57.11.3513	51k	5%	ANY
R....	34	57.11.4103	10k	5%	ANY
R....	35	57.11.3623	62k	5%	ANY
R....	36	57.11.4102	1k	5%	ANY
R....	37	57.11.4153	15k	5%	ANY
R....	38	58.01.9103	10k	5%	ANY
R....	39	57.11.4223	22k	5%	ANY
R....	40	57.11.5225	2.2M	5%	ANY
R....	41	57.11.4562	5.6k	5%	ANY
R....	42	57.11.4332	3.3k	5%	ANY
R....	43	57.11.4103	10k	5%	ANY
R....	44	57.11.4103	10k	5%	ANY
R....	45	57.11.4103	10k	5%	ANY
R....	46	57.11.4103	10k	5%	ANY
R....	47	57.11.4392	3.9k	5%	ANY
R....	48	57.11.3242	2.4k	5%	ANY
R....	49	57.11.4222	2.2k	5%	ANY
R....	50	57.11.4472	4.7k	5%	ANY
R....	51	57.11.4472	4.7k	5%	ANY
R....	52	57.11.4472	4.7k	5%	ANY
R....	53	57.11.4472	4.7k	5%	ANY
R....	54	57.11.4332	3.3k	5%	ANY
R....	55	57.11.4103	10k	5%	ANY
R....	56	57.11.4683	68k	5%	ANY
R....	57	57.11.4102	1k	5%	ANY
R....	58	57.11.4332	3.3k	5%	ANY
R....	59	57.11.4682	6.8k	5%	ANY
R....	60	57.11.4221	220	5%	ANY
R....	61	57.11.4472	4.7k	5%	ANY
R....	62	57.11.4102	1k	5%	ANY
R....	63	57.11.4333	33k	5%	ANY
R....	64	57.11.4273	27k	5%	ANY
R....	65	57.11.4332	3.3k	5%	ANY
R....	66	57.11.4103	10k	5%	ANY
R....	67	57.11.4332	3.3k	5%	ANY
R....	68	57.11.4103	10k	5%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R....	69	57.11.4220	22	5%	ANY
R....	70	57.11.4152	1.5k	5%	ANY
R....	71	57.11.3911	910	5%	ANY
R....	72	57.11.4221	220	5%	ANY
R....	73	57.11.3131	130	5%	ANY
R....	74	58.01.8103	10k	5%	ANY
R....	75	57.11.4103	10k	5%	ANY
R....	76	57.11.4223	22k	5%	ANY
R....	77	57.11.4223	22k	5%	ANY
R....	78	57.11.4223	22k	5%	ANY
R....	79	57.11.4392	3.9k	5%	ANY
R....	80	57.11.4472	4.7k	5%	ANY
XIC....	1	53.03.0167		DIL 14-PIN	ANY
XIC....	2	53.03.0167		DIL 14-PIN	ANY
XIC....	3	53.03.0167		DIL 14-PIN	ANY
XIC....	4	53.03.0167		DIL 14-PIN	ANY
XIC....	5	53.03.0167		DIL 14-PIN	ANY
XIC....	6	53.03.0168		DIL 16-PIN	ANY
XIC....	7	53.03.0168		DIL 16-PIN	ANY
XIC....	8	53.03.0168		DIL 16-PIN	ANY
XIC....	9	53.03.0166		DIL 8-PIN	ANY
XIC....	10	53.03.0166		DIL 8-PIN	ANY
XIC....	11	53.03.0166		DIL 8-PIN	ANY
XIC....	13	53.03.0168		DIL 16-PIN	ANY
XIC....	14	53.03.0168		DIL 16-PIN	ANY
XIC....	15	53.03.0168		DIL 16-PIN	ANY

REMARKS:
-1: ME 4CN-50 SWITCHED CAPACITOR FILTER
CA5: SELECTED ACCORDING TO VCO FOR CONSTANT OUTPUT FREQUENCY

MANUFACTURERS:
ST = STUDER
TOK = TOK
Ph = PHELLIPS
Sig = SIGNETICS
NS = NATIONAL SEMICONDUCTOR

ABBREVIATIONS:

XIC = IC SOCKET

DRIG 86/10/07

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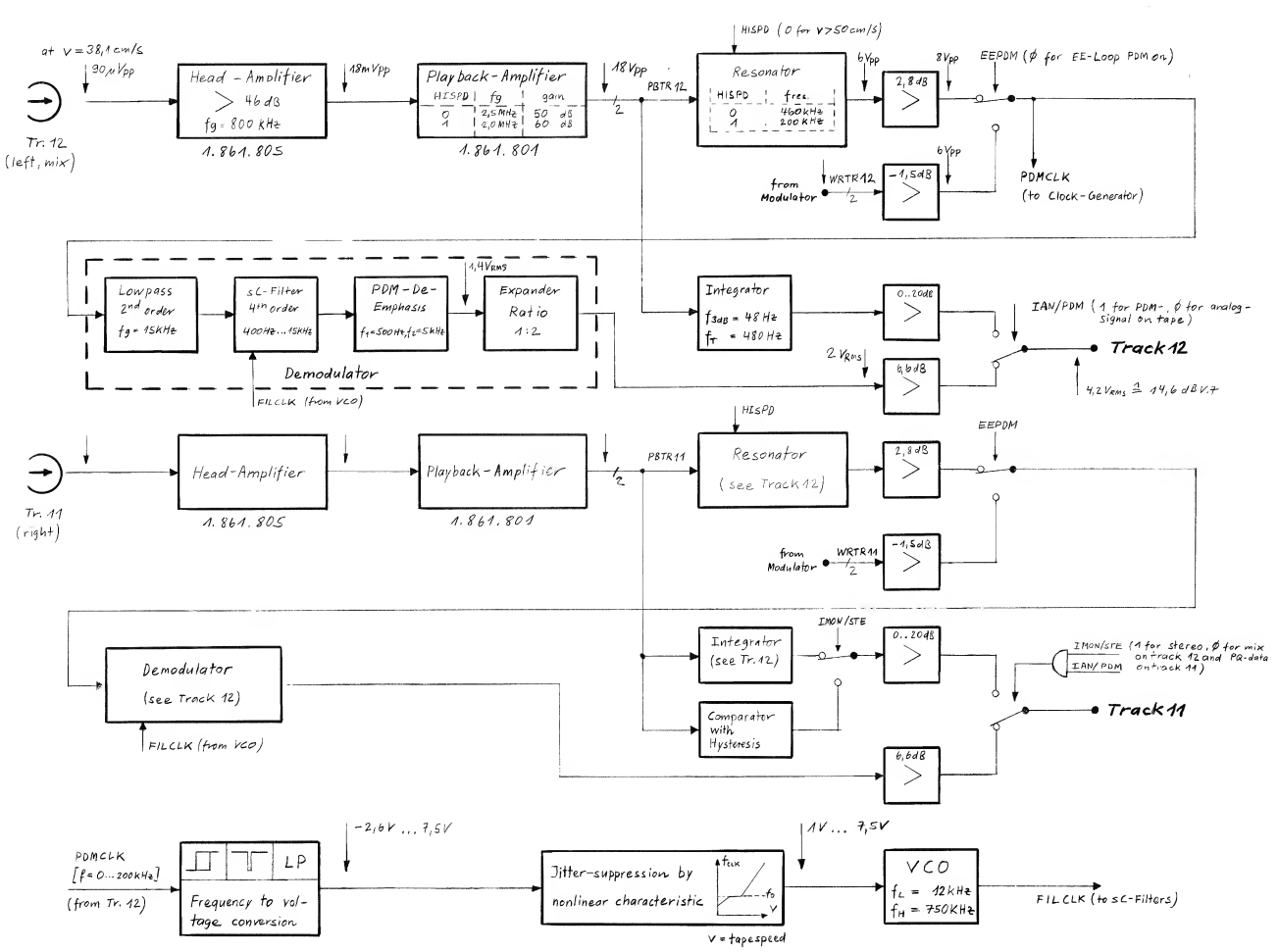
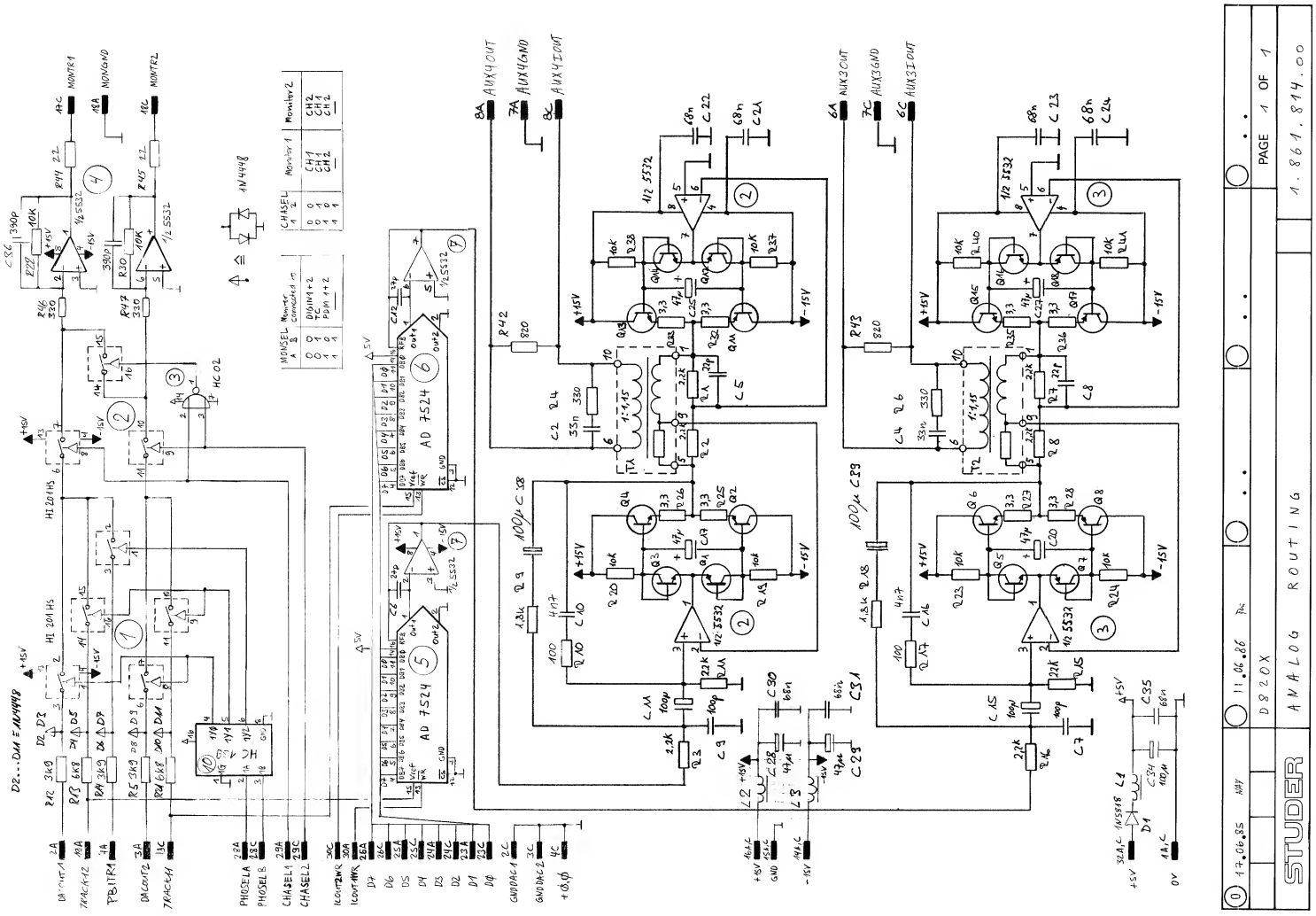
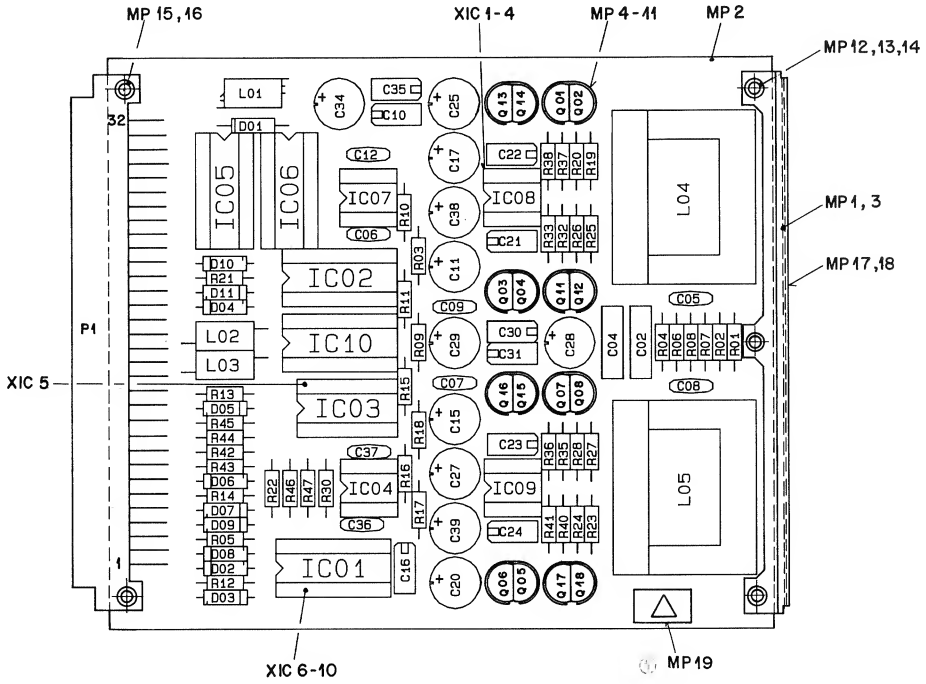


ANALOG ROUTING 1.861.814.00 PAGE 1



ANALOG ROUTING 1.861.814.00 PAGE 2 (LAST)



INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....2	59.31.8333	33n	10%, 400V, PETP	ANY
	C.....4	59.31.8333	33n	10%, 400V, PETP	ANY
	C.....5	59.34.2220	22p	20%, 100V, CER	ANY
	C.....6	59.34.2330	33p	20%, 50V, CER	ANY
	C.....7	59.32.1101	100p	20%, 400V, CER	ANY
	C.....8	59.34.2220	22p	20%, 100V, CER	ANY
	C.....9	59.32.1101	100p	20%, 400V, CER	ANY
	C.....10	59.06.0472	4.7n	20%, 63V, PETP	ANY
	C.....11	59.22.3101	100u	20%, 12V, EL	ANY
	C.....12	59.34.2330	33p	20%, 50V, CER	ANY
	C.....15	59.22.3101	100u	20%, 12V, EL	ANY
	C.....16	59.06.0472	4.7n	20%, 63V, PETP	ANY
(00)	C.....17	59.26.0470	47u	20%, 6.3V, SAL	ANY
(01)	C.....17	59.22.5470	47u	20%, 20V, ELECTROLYTIC	ANY
(00)	C.....20	59.26.0470	47u	20%, 6.3V, SAL	ANY
(01)	C.....20	59.22.5470	47u	20%, 20V, ELECTROLYTIC	ANY
	C.....21	59.99.0205	68n	20%, 63V, CER	ANY
	C.....22	59.99.0205	68n	20%, 63V, CER	ANY
	C.....23	59.99.0205	68n	20%, 63V, CER	ANY
	C.....24	59.99.0205	68n	20%, 63V, CER	ANY
(00)	C.....25	59.26.0470	47u	20%, 6.3V, SAL	ANY
(01)	C.....25	59.22.5470	47u	20%, 20V, ELECTROLYTIC	ANY
(00)	C.....27	59.26.0470	47u	20%, 6.3V, SAL	ANY
(01)	C.....27	59.22.5470	47u	20%, 20V, ELECTROLYTIC	ANY
(00)	C.....28	59.26.0470	47u	20%, 6.3V, SAL	ANY
(01)	C.....28	59.22.5470	47u	20%, 20V, ELECTROLYTIC	ANY
(00)	C.....29	59.26.0470	47u	20%, 6.3V, SAL	ANY
(01)	C.....29	59.22.5470	47u	20%, 20V, ELECTROLYTIC	ANY
	C.....30	59.99.0205	68n	20%, 63V, CER	ANY
	C.....31	59.99.0205	68n	20%, 63V, CER	ANY
(00)	C.....34	59.26.0470	47u	20%, 6.3V, SAL	ANY
(01)	C.....34	59.22.5470	47u	20%, 20V, ELECTROLYTIC	ANY
	C.....35	59.99.0205	68n	20%, 63V, CER	ANY
	C.....36	59.34.5391	390p	20%, 50V, CER	ANY
	C.....37	59.34.5391	390p	20%, 50V, CER	ANY
	C.....38	59.22.3101	100u	20%, 10V, EL	ANY
	C.....39	59.22.3101	100u	20%, 10V, EL	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R.....5	57.11.4392	3.9k	5%	ANY
	R.....6	57.11.4331	330	5%	ANY
	R.....7	57.11.4222	2.2k	5%	ANY
	R.....8	57.11.4222	2.2k	5%	ANY
	R.....9	57.11.4182	1.8k	5%	ANY
	R.....10	57.11.4101	100	5%	ANY
	R.....11	57.11.4223	.22k	5%	ANY
	R.....12	57.11.4392	3.9k	5%	ANY
	R.....13	57.11.4682	6.8k	5%	ANY
	R.....14	57.11.4392	3.9k	5%	ANY
	R.....15	57.11.4223	.22k	5%	ANY
	R.....16	57.11.4222	2.2k	5%	ANY
	R.....17	57.11.4101	100	5%	ANY
	R.....18	57.11.4182	1.8k	5%	ANY
	R.....19	57.11.4103	10k	5%	ANY
	R.....20	57.11.4103	10k	5%	ANY
	R.....21	57.11.4682	6.8k	5%	ANY
	R.....22	57.11.4103	10k	5%	ANY
	R.....23	57.11.4103	10k	5%	ANY
	R.....24	57.11.4103	10k	5%	ANY
	R.....25	57.11.4339	3.3	5%	ANY
	R.....26	57.11.4339	3.3	5%	ANY
	R.....27	57.11.4339	3.3	5%	ANY
	R.....28	57.11.4339	3.3	5%	ANY
	R.....30	57.11.4103	10k	5%	ANY
	R.....32	57.11.4339	3.3	5%	ANY
	R.....33	57.11.4339	3.3	5%	ANY
	R.....35	57.11.4339	3.3	5%	ANY
	R.....36	57.11.4339	3.3	5%	ANY
	R.....37	57.11.4103	10k	5%	ANY
	R.....38	57.11.4103	10k	5%	ANY
	R.....40	57.11.4103	10k	5%	ANY
	R.....41	57.11.4103	10k	5%	ANY
	R.....42	57.11.4821	820	5%	ANY
	R.....43	57.11.4821	820	5%	ANY
	R.....44	57.11.4220	22	5%	ANY
	R.....45	57.11.4220	22	5%	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	D.....1	50.04.0512		1N 5818	ANY
	D.....2	50.04.0125		1N 4448	ANY
	D.....3	50.04.0125		1N 4448	ANY
	D.....4	50.04.0125		1N 4448	ANY
	D.....5	50.04.0125		1N 4448	ANY
	D.....6	50.04.0125		1N 4448	ANY
	D.....7	50.04.0125		1N 4448	ANY
	D.....8	50.04.0125		1N 4448	ANY
	D.....9	50.04.0125		1N 4448	ANY
	D.....10	50.04.0125		1N 4448	ANY
	D.....11	50.04.0125		1N 4448	ANY
(00)	IC.....1	50.17.0101		H11-201 HS-5	ANY
(01)	IC.....1	50.07.0034		AG 201 ACJ	ANY
(00)	IC.....2	50.17.0101		H11-201 HS-5	ANY
(01)	IC.....2	50.07.0034		AG 201 ACJ	ANY
(00)	IC.....3	50.17.1002		74 HC 02	ANY
(01)	IC.....3	50.06.0002		74 LS 02	ANY
	IC.....4	50.09.0105		NE 5532 N	ANY
	IC.....5	50.07.0002		AD 7524 JN	ANY
	IC.....6	50.07.0002		AD 7524 JN	ANY
	IC.....7	50.09.0105		NE 5532 N	ANY
	IC.....8	50.09.0105		NE 5532 N	ANY
	IC.....9	50.09.0105		NE 5532 N	ANY
(00)	IC.....10	50.17.1139		74 HC 139	ANY
(01)	IC.....10	50.06.0139		74 LS 139	ANY
	L.....1	62.01.0115		WIDE BAND HF-CHOKE	Ph
	L.....2	62.01.0115		WIDE BAND HF-CHOKE	Ph
	L.....3	62.01.0115		WIDE BAND HF-CHOKE	Ph
	MP....1	1.010.096.49	1 PCS	TRANSPARENT COVER	St
	MP....2	1.861.814.11	1 PCS	PCB	St
	MP....3	1.861.814.01	1 PCS	NAME PLATE	St
	MP....4	50.20.2001	1 PCS	CLIP 2PIO 92	ANY
	MP....5	50.20.2001	1 PCS	CLIP 2PIO 92	ANY
	MP....6	50.20.2001	1 PCS	CLIP 2PIO 92	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R.....46	57.11.4331	330	5%	ANY
	R.....47	57.11.4331	330	5%	ANY
	T.....1	1.022.359.00		LINE OUTPUT TRANSFORMER 1:1:15	St
	T.....2	1.022.359.00		LINE OUTPUT TRANSFORMER 1:1:15	St
	XIC...1	53.03.0166		DIL 8-PIN	ANY
	XIC...2	53.03.0166		DIL 8-PIN	ANY
	XIC...3	53.03.0166		DIL 8-PIN	ANY
	XIC...4	53.03.0166		DIL 8-PIN	ANY
	XIC...5	53.03.0167		DIL 14-PIN	ANY
	XIC...6	53.03.0168		DIL 16-PIN	ANY
	XIC...7	53.03.0168		DIL 16-PIN	ANY
	XIC...8	53.03.0168		DIL 16-PIN	ANY
	XIC...9	53.03.0168		DIL 16-PIN	ANY
	XIC...10	53.03.0168		DIL 16-PIN	ANY

REMARKS: MOD 01: CMOS SWITCHES HS REPLACED BY NORMAL CMOS
SAL CAPACITORS REPLACED BY ELECTROLYTICS
MODIFICATIONS ACCORDING TO SAMPLE
HC REPLACED BY LSTTL

MANUFACTURERS:
St = STUDER
Ph = PHILIPS

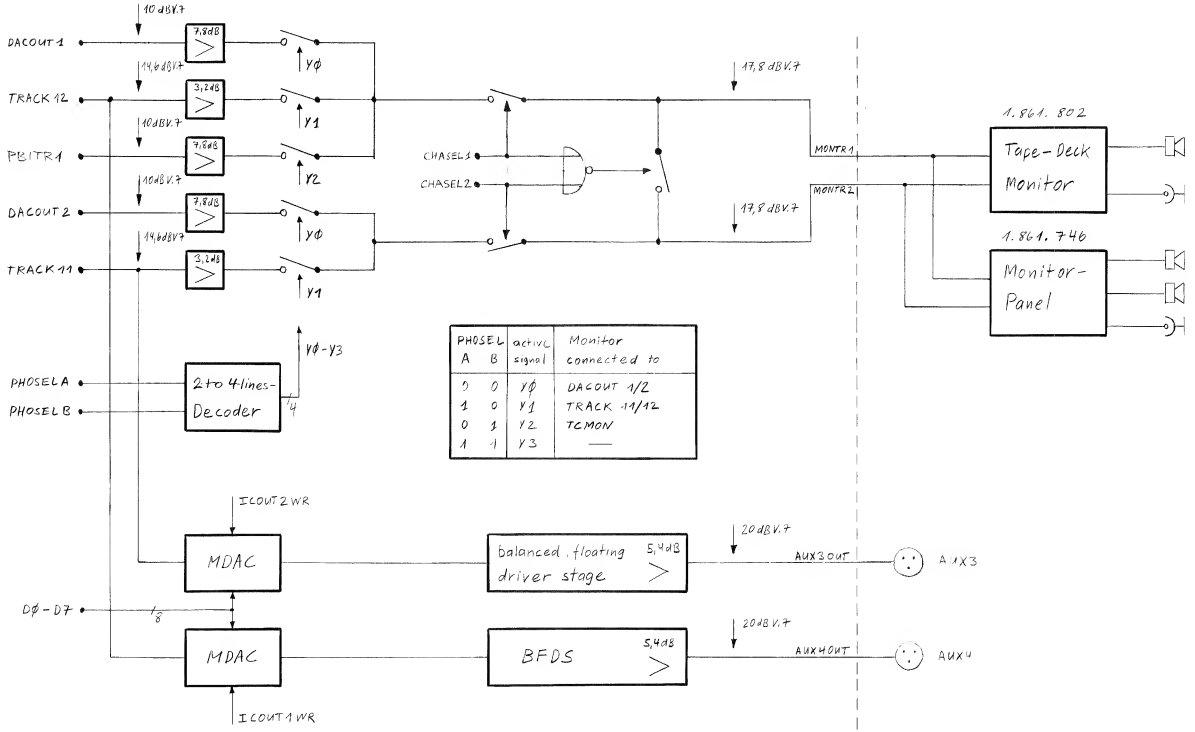
ABBREVIATIONS:
CER = CERAMIC / SAL = SOLID ALUMINIUM / EL = ELECTROLYTIC
PETP = POLYESTERFOIL / XIC = IC SOCKET

ORIG 85/07/23 (01) 85/11/29

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....7	50.20.2001	1 PCS	CLIP 2PIO 92	ANY
	MP....8	50.20.2001	1 PCS	CLIP 2PIO 92	ANY
	MP....9	50.20.2001	1 PCS	CLIP 2PIO 92	ANY
	MP....10	50.20.2001	1 PCS	CLIP 2PIO 92	ANY
	MP....11	50.20.2001	1 PCS	CLIP 2PIO 92	ANY
	MP....12	28.21.1370	1 PCS	RIVETING NUT, 02.2595.5	ANY
	MP....13	28.21.1370	1 PCS	RIVETING NUT, 02.2595.5	ANY
	MP....14	28.21.1370	1 PCS	RIVETING NUT, 02.2595.5	ANY
	MP....15	28.99.0119	1 PCS	RIVETING NUT, 02.590.15910	ANY
	MP....16	28.99.0119	1 PCS	RIVETING NUT, 02.590.15910	ANY
	MP....17	1.010.006.33	1 PCS	MARKING HANOLE	St
	MP....18	1.010.006.33	1 PCS	MARKING HANOLE	St
(01)	MP....19	43.01.0108		LABEL "ESE"	ANY
	P.....1	54.01.0365		CARD CONNECTOR, 2*32 EURO SOLDERING	ANY
	Q.....1	50.03.0351		BC 327-25	ANY
	Q.....2	50.03.0351		BC 327-25	ANY
	Q.....3	50.03.0340		BC 337-25	ANY
	Q.....4	50.03.0340		BC 337-25	ANY
	Q.....5	50.03.0340		BC 337-25	ANY
	Q.....6	50.03.0340		BC 337-25	ANY
	Q.....7	50.03.0351		BC 327-25	ANY
	Q.....8	50.03.0351		BC 327-25	ANY
	Q.....11	50.03.0351		BC 327-25	ANY
	Q.....12	50.03.0351		BC 327-25	ANY
	Q.....13	50.03.0340		BC 337-25	ANY
	Q.....14	50.03.0340		BC 337-25	ANY
	Q.....15	50.03.0340		BC 337-25	ANY
	Q.....16	50.03.0340		BC 337-25	ANY
	Q.....17	50.03.0351		BC 327-25	ANY
	Q.....18	50.03.0351		BC 327-25	ANY
	R.....1	57.11.4222	2.2k	5%	ANY
	R.....2	57.11.4222	2.2k	5%	ANY
	R.....3	57.11.4222	2.2k	5%	ANY
	R.....4	57.11.4331	330	5%	ANY

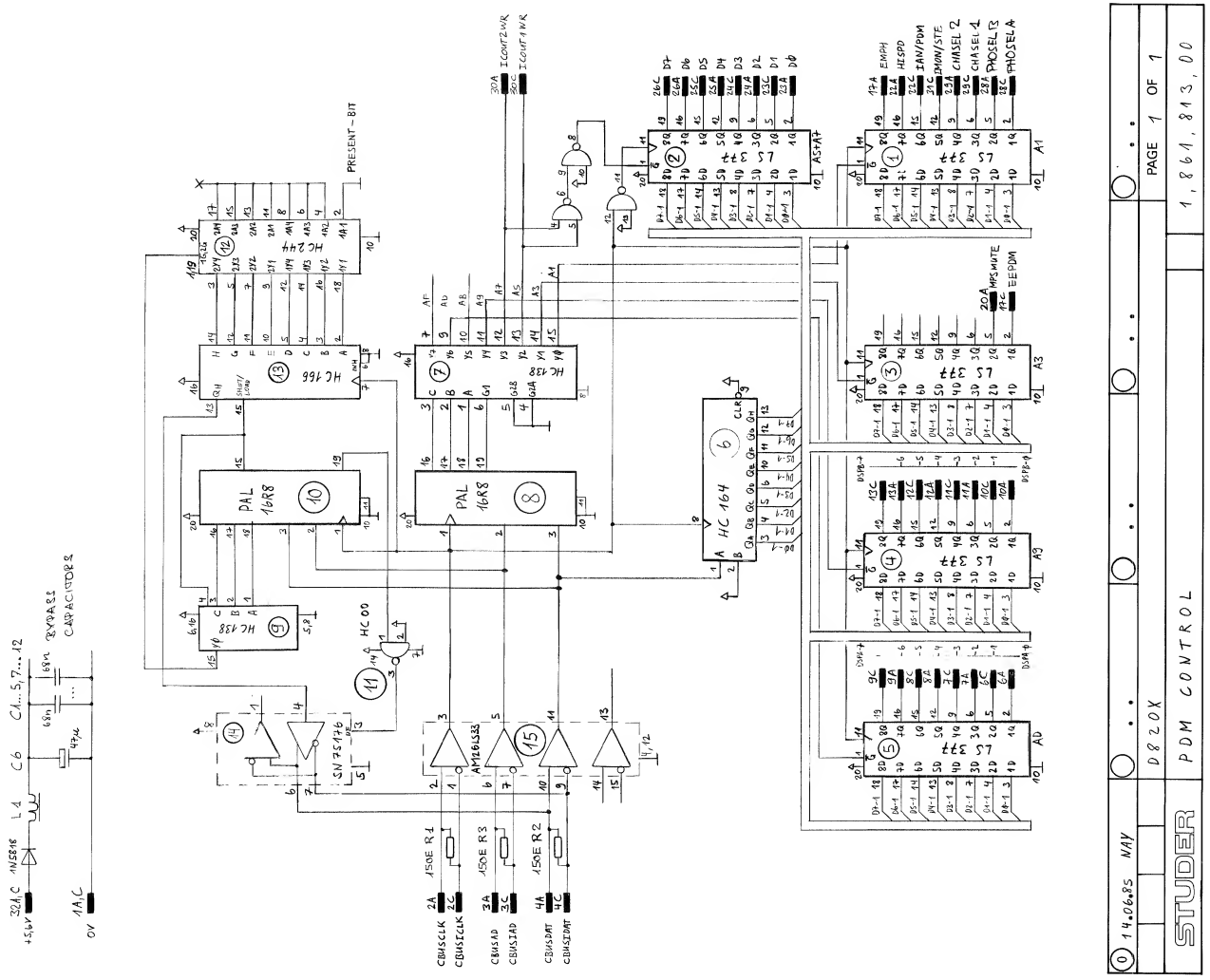
PUBLISHED: 09/86

ANALOG ROUTING 1.861.814.00 PAGE 3 (LAST)

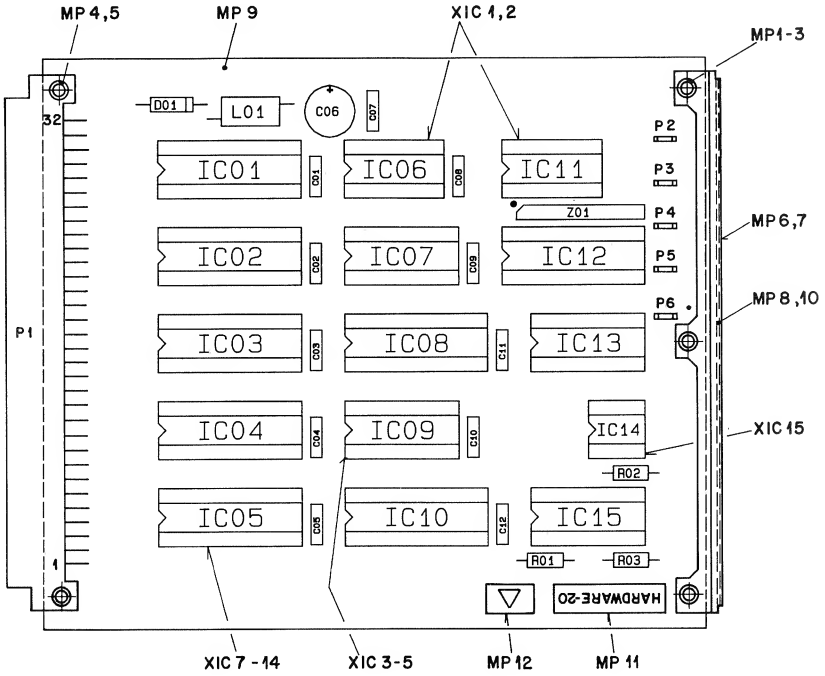


STUDER
ANALOG ROUTING
D820X BLOCKDIAGRAM
PAGE 1 OF 1
1.861.814.00
0 10.12.85 MAY

PDM CONTROL 1.861.813.00 PAGE 1



PDM CONTROL 1.861.813.00 PAGE 2



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.99.0205	68n	30%, 40V, CER	ANY
	C.....2	59.99.0205	68n	30%, 40V, CER	ANY
	C.....3	59.99.0205	68n	30%, 40V, CER	ANY
	C.....4	59.99.0205	68n	30%, 40V, CER	ANY
	C.....5	59.99.0205	68n	30%, 40V, CER	ANY
	C.....6	59.22.9470	47u	30%, 20V, EL	ANY
	C.....7	59.99.0205	68n	30%, 40V, CER	ANY
	C.....8	59.99.0205	68n	30%, 40V, CER	ANY
	C.....9	59.99.0205	68n	30%, 40V, CER	ANY
	C.....10	59.99.0205	68n	30%, 40V, CER	ANY
	C.....11	59.99.0205	68n	30%, 40V, CER	ANY
	C.....12	59.99.0205	68n	30%, 40V, CER	ANY
	O.....1	50.04.0512		1N 5818	ANY
	IC....1	50.06.0377		SN 74 LS 377 N	ANY
	IC....2	50.06.0377		SN 74 LS 377 N	ANY
	IC....3	50.06.0377		SN 74 LS 377 N	ANY
	IC....4	50.06.0377		SN 74 LS 377 N	ANY
	IC....5	50.06.0377		SN 74 LS 377 N	ANY
	IC....6	50.06.0164		74 LS 164	ANY
	IC....7	50.06.0138		74 LS 138	ANY
	IC....8	50.18.0012		PAL 16 R 8 A-2CN (186142720)	ANY
	IC....9	50.06.0138		74 LS 138	ANY
	IC....10	50.18.0012		PAL 16 R 8 A-2CN (186142620)	ANY
	IC....11	50.06.0000		74 LS 00	ANY
	IC....12	50.06.0244		SN 74 LS 244 N	ANY
	IC....13	50.06.0166		74 LS 166	ANY
	IC....14	50.15.0115		SN 75176 AP+DS 3695 N	ANY
	IC....15	50.15.0109		AM 26 LS 33 PC+ DS 26 LS 33 CN	ANY
	L.....1	02.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	28.21.1370	1 PCS	RIVETING NUT, 02.2595.5	ANY
	MP....2	28.21.1370	1 PCS	RIVETING NUT, 02.2595.5	ANY
	MP....3	28.21.1370	1 PCS	RIVETING NUT, 02.2595.5	ANY
	MP....	28.99.0119	1 PCS	RIVETING NUT, 02.5990.15010	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....5	28.99.0119	1 PCS	RIVETING NUT, 02.5990.15010	ANY
	MP....6	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP....7	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP....8	1.010.096.49	1 PCS	TRANSPARENT COVER	ANY
	MP....9	1.861.813.11	1 PCS	PCB	St
	MP....10	1.861.813.01	1 PCS	NAME PLATE, 6.3*91	St
	MP....11	1.101.001.20	1 PCS	TEXT-LABEL, HARDWARE-20	St
(01)	MP....12	43.01.0108		LABEL "ESE"	ANY
	P.....1	54.01.0365		CARD CONNECTOR, 2*32 EURO SOLDERING	ANY
	P.....2	54.02.0320		TEST-POINT	ANY
	P.....3	54.02.0320		TEST-POINT	ANY
	P.....4	54.02.0320		TEST-POINT	ANY
	P.....5	54.02.0320		TEST-POINT	ANY
	P.....6	54.02.0320		TEST-POINT	ANY
	R.....1	57.11.4151	150	5%	ANY
	R.....2	57.11.4151	150	5%	ANY
	R.....3	57.11.4151	150	5%	ANY
	RZ....1	57.88.4332	8 @3.3k	5%, SINGLE IN LINE	ANY
	XIC...1	53.03.0167		DIL 14-PIN	ANY
	XIC...2	53.03.0167		DIL 14-PIN	ANY
	XIC...3	53.03.0168		DIL 16-PIN	ANY
	XIC...4	53.03.0168		DIL 16-PIN	ANY
	XIC...5	53.03.0168		DIL 16-PIN	ANY
	XIC...6	53.03.0168		DIL 16-PIN	ANY
	XIC...7	53.03.0165		DIL 20-PIN	ANY
	XIC...8	53.03.0165		DIL 20-PIN	ANY
	XIC...9	53.03.0165		DIL 20-PIN	ANY
	XIC...10	53.03.0165		DIL 20-PIN	ANY
	XIC...11	53.03.0165		DIL 20-PIN	ANY
	XIC...12	53.03.0165		DIL 20-PIN	ANY
	XIC...13	53.03.0165		DIL 20-PIN	ANY
	XIC...14	53.03.0165		DIL 20-PIN	ANY
	XIC...15	53.03.0166		DIL 8-PIN	ANY

REMARKS: *01: MODIFICATIONS ACCORDING TO SAMPLE

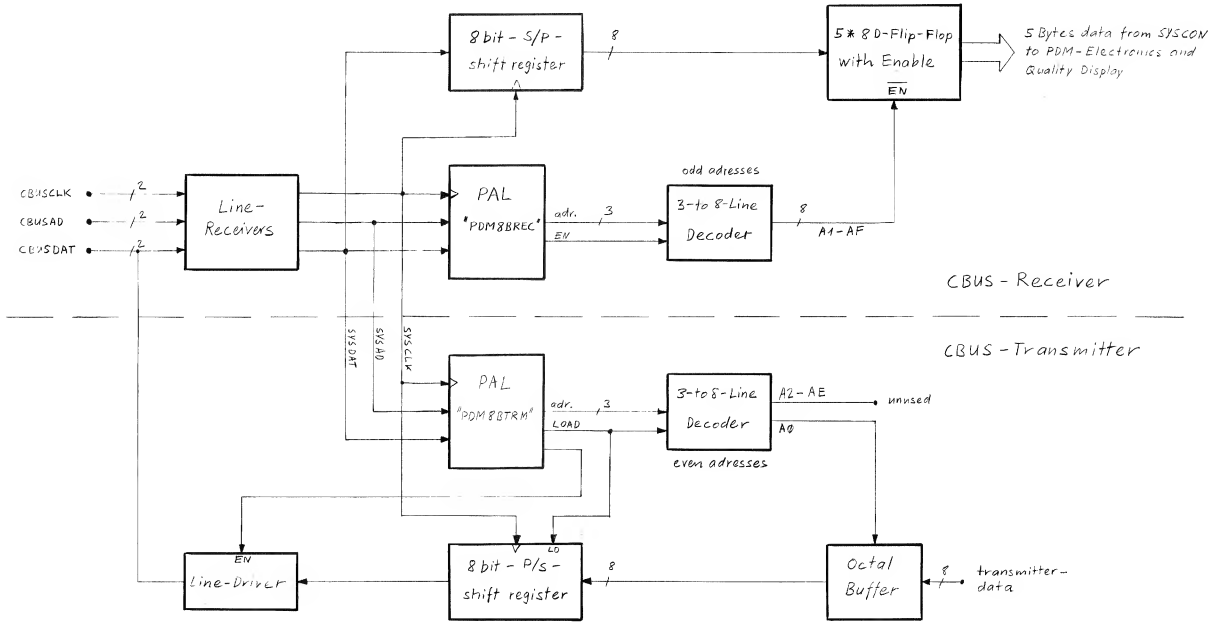
MANUFACTURERS:
St = STUDER
Ph = PHILIPS

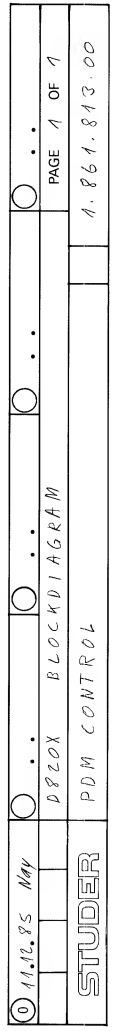
ABBREVIATIONS:
CER = CERAMIC / EL = ELECTROLYTIC
XIC = IC SOCKET

ORIG 85/08/28 (20) 85/11/29

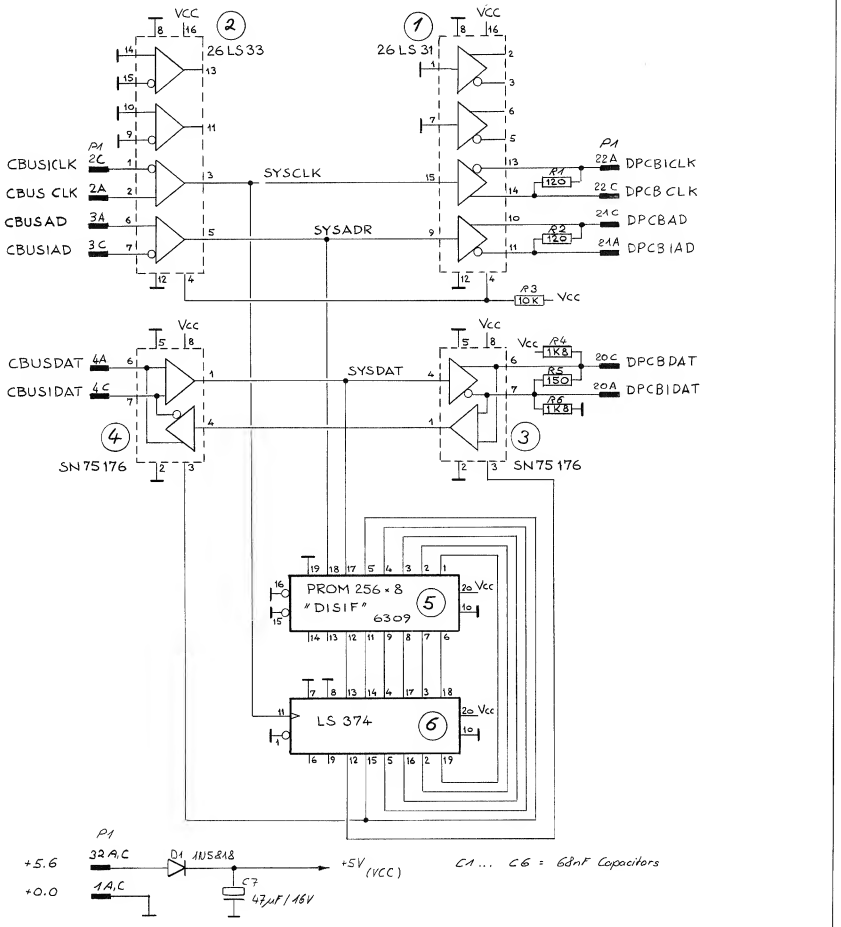
PUBLISHED: 09/86

PDM CONTROL 1.861.813.00 PAGE 3 (LAST)





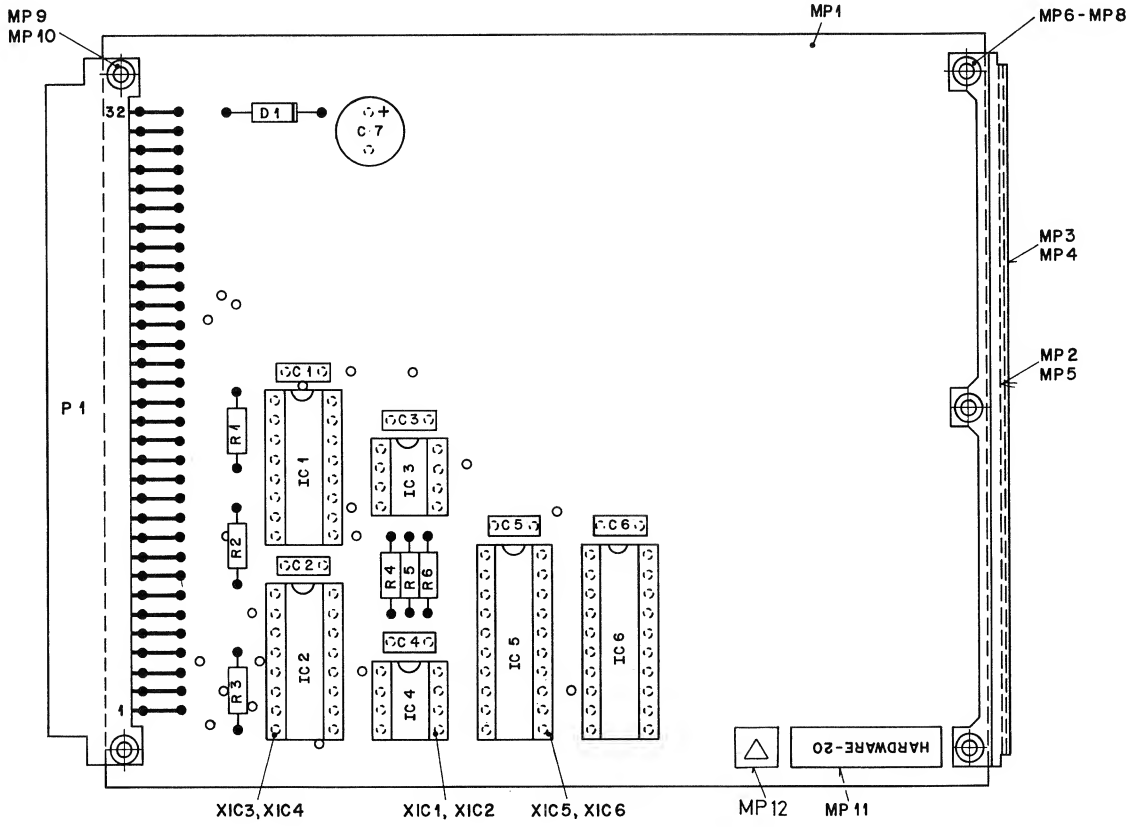
DISPLAY INTERFACE 1.861.817.00 PAGE 1



0 26.02.85 HPG				
	D820 X			PAGE 1 OF 1
STUDER	DISPLAY INTERFACE			1.861.817-00

PUBLISHED: 09/86

DISPLAY INTERFACE 1.861.817.00 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.99.0205	68n	20%, 40V, CER	ANY
	C.....2	59.99.0205	68n	20%, 40V, CER	ANY
	C.....3	59.99.0205	68n	20%, 40V, CER	ANY
	C.....4	59.99.0205	68n	20%, 40V, CER	ANY
	C.....5	59.99.0205	68n	20%, 40V, CER	ANY
	C.....6	59.99.0205	68n	20%, 40V, CER	ANY
	C.....7	59.22.5470	47u	20%, 20V, EL	ANY
	D.....1	50.04.0512	1N 5818		ANY
	IC....1	50.15.0108		AM 26 LS 31	ANY
	IC....2	50.15.0109		AM 26 LS 33	ANY
	IC....3	50.15.0115		SN 75176 AP	ANY
	IC....4	50.15.0115		SN 75176 AP	ANY
	IC....5	50.14.0114		TBP 28L 22N (186143020)	ANY
	IC....6	50.06.0374		SN 74 LS 374	ANY
	MP....1	1.861.817.11		PCB	St
	MP....2	1.861.817.01		NAME PLATE, 6.3*91	St
	MP....3	1.010.006.33		MARKING HANDLE	St
	MP....4	1.010.006.33		MARKING HANDLE	St
	MP....5	1.010.096.49		TRANSPARENT COVER	St
	MP....6	28.21.1370		RIVETING NUT, 02.2585.5	ANY
	MP....7	28.21.1370		RIVETING NUT, 02.2585.5	ANY
	MP....8	28.21.1370		RIVETING NUT, 02.2585.5	ANY
	MP....9	28.99.0119		RIVETING NUT, 02.5*40.15*10	ANY
	MP....10	28.99.0119		RIVETING NUT, 02.5*40.15*10	ANY
	MP....11	1.101.001.20		TEXT-LABEL, HARDWARE-20	ANY
(01)	MP....12	43.01.0108		LABEL "ESE"	ANY
	P.....1	54.01.0365		CARD CONNECTOR, 2*32 EURO SOLDERING	ANY
	R.....1	57.11.4121	120	5%	ANY
	R.....2	57.11.4121	120	5%	ANY
	R.....3	57.11.4103	10k	5%	ANY
	R.....4	57.11.4182	1.8k	5%	ANY
	R.....5	57.11.4151	150	5%	ANY

STUDER (20) 85/11/29 01 DISPLAY IF 1.861.817.00 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R.....6	57.11.4182	1.8k	5%	ANY
	XIC...1	53.03.0166		DIL 8-PIN	ANY
	XIC...2	53.03.0166		DIL 8-PIN	ANY
	XIC...3	53.03.0168		DIL 16-PIN	ANY
	XIC...4	53.03.0168		DIL 16-PIN	ANY
(00)	XIC...5	53.03.0168		DIL 16-PIN	ANY
	XIC...5	53.03.0165		DIL 20-PIN	ANY
	XIC...6	53.03.0165		DIL 20-PIN	ANY

REMARKS: #01: MODIFICATIONS ACCORDING TO SAMPLE

MANUFACTURERS:
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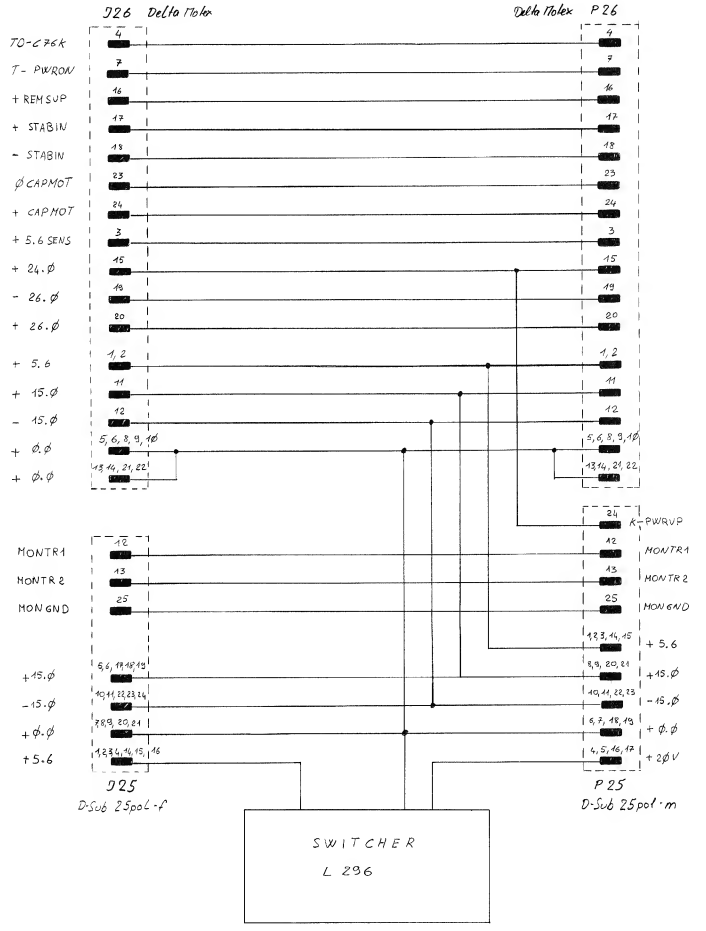
ABBREVIATIONS:
CER = CERAMIC / EL = ELECTROLYTIC
XIC = IC SOCKET

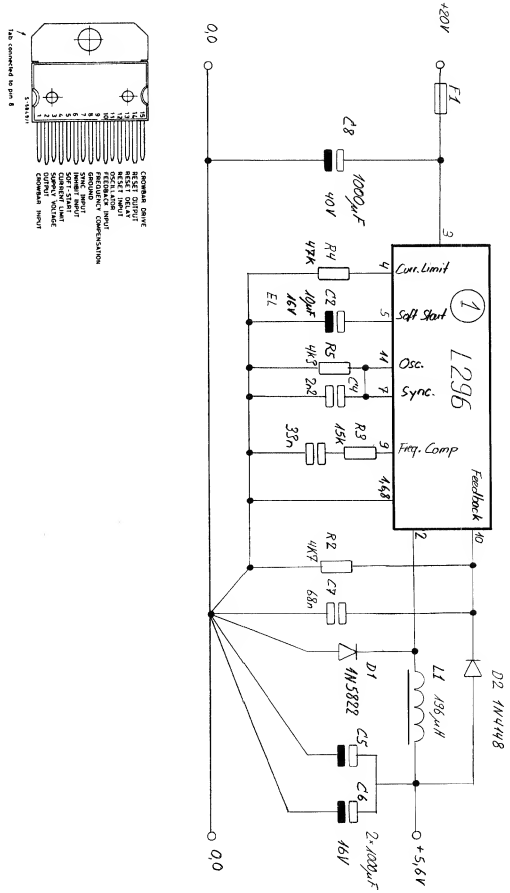
ORIG 85/09/12 (20) 85/11/29

STUDER (20) 85/11/29 01 DISPLAY IF 1.861.817.00 PAGE 2

PUBLISHED: 09/86

DELTA MOLEXINTERCON. 1.861.726.00 PAGE 1





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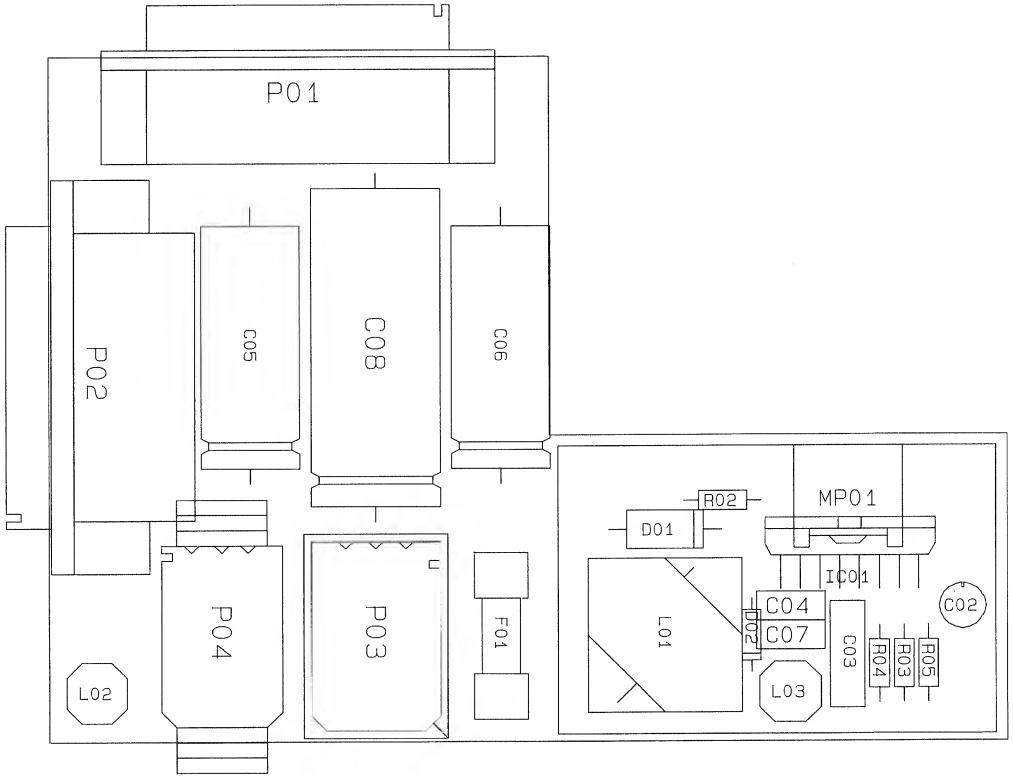
	D820X			PAGE 1 OF 2
STUDER	DELTA MOLEX INTERCONNECTION			1.861.726.00

17.1.86 RéG	..	..	..	..
	D820X			PAGE 2 OF 2
STUDER	Delta Molex Interconnection			1.861.726.00

PUBLISHED: 09/86

DELTA MOLEXINTERCON. 1.861.726.00 PAGE 2 (LAST)



INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....2		59.26.2100	10u	20%, 16V, SAL	ANY
C....3		59.02.5333	33n	20%, 63V, PETP	ANY
C....4		59.06.0222	2200p	20%, 63V, PETP	ANY
C....5		59.25.3102	1000u	20%, 16V, EL	ANY
C....6		59.25.3102	1000u	20%, 16V, EL	ANY
C....7		59.99.0209	68n	20%, 63V, CER	ANY
C....8		59.25.5102	1000u	20%, 40V, EL	ANY
D....1		50.04.0919		1N 5822	ANY
D....2		50.04.0125		1N 4448	ANY
F....1		51.01.0120		SLOW BLOW 2A	ANY
IC....1		50.10.0110	L 296	VOLTAGE REGULATOR	SGS
J....1		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....2		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....3		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....4		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....5		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....6		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....7		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....8		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....9		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....10		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....11		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....12		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....13		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....14		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....15		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....16		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....17		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....18		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....19		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....20		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....21		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....22		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL

STUDER (00) 86/01/23 Sn DELTA MOLEX INTERCON. 1.861.726.00 PAGE 1

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
J....23		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....24		54.02.0407		MOLEX CONTACT FEMALE, PRINT	MOL
J....25		54.13.3032		D-SUB 25 PIN FEMALE, 90 DEGR	AMP
J....26		54.02.0416		MOLEX 24-PIN FEMALE	MOL
L....1		1.022.251.00	0.196mH	FILTER COIL, 5 A	St
MP....1		1.861.726.12	1 PCS	PCB	St
MP....2		1.861.726.01	1 PCS	SHIELD	St
MP....3		1.010.204.27	1 PCS	STAND-OFF, M2.5#25	ANY
MP....4		1.010.204.27	1 PCS	STAND-OFF, M2.5#25	ANY
MP....5		21.01.0279	1 PCS	SCREW, M2.5#6	ANY
MP....6		21.01.0279	1 PCS	SCREW, M2.5#6	ANY
MP....7		21.01.0279	1 PCS	SCREW, M2.5#6	ANY
MP....8		21.01.0279	1 PCS	SCREW, M2.5#6	ANY
MP....9		24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
MP....10		24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
MP....11		24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
MP....12		24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
MP....13		21.53.0153	1 PCS	SCREW, M3#5	ANY
MP....14		24.16.1030	1 PCS	LOCK WASHER, M3	ANY
MP....15		23.01.1032	1 PCS	WASHER, M3	ANY
MP....16		23.01.1032	1 PCS	WASHER, M3	ANY
MP....17		23.01.1032	1 PCS	WASHER, M3	ANY
MP....18		23.01.1032	1 PCS	WASHER, M3	ANY
MP....19		28.21.1480	1 PCS	RIVETING NUT	ANY
MP....20		28.21.1480	1 PCS	RIVETING NUT	ANY
MP....21		28.21.1480	1 PCS	RIVETING NUT	ANY
MP....22		28.21.1480	1 PCS	RIVETING NUT	ANY
MP....23		1.010.032.54	1 PCS	STAND-OFF WITH THREAD, LOCKING TYPE	ST
MP....24		1.010.032.54	1 PCS	STAND-OFF WITH THREAD, LOCKING TYPE	ST
MP....25		24.16.1030	1 PCS	LOCK WASHER, M3	ANY
MP....26		24.16.1030	1 PCS	LOCK WASHER, M3	ANY
MP....27		22.01.5030	1 PCS	NUT, M3	ANY
MP....28		22.01.5030	1 PCS	NUT, M3	ANY
MP....29		1.010.118.51	1 PCS	2A FUSE-LABEL	St

STUDER (00) 86/01/23 Sn DELTA MOLEX INTERCON. 1.861.726.00 PAGE 2

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
P....1		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....2		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....3		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....4		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....5		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....6		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....7		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....8		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....9		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....10		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....11		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....12		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....13		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....14		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....15		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....16		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....17		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....18		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....19		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....20		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....21		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....22		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....23		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....24		54.02.0406		MOLEX CONTACT MALE, PRINT	MOL
P....25		54.13.0013		D-SUB 25 PIN MALE, 90 DEGR	AMP
P....26		54.02.0415		MOLEX 24-PIN MALE	MOL
R....1		57.11.4473	47k	5%	ANY
R....2		57.11.4153	15k	5%	ANY
R....3		57.11.3432	4.3k	5%	ANY
R....4		57.11.4472	4.7k	10%	ANY
XF....1		53.03.0142		CLAMP,5#20mm	ANY
XF....2		53.03.0142		CLAMP,5#20mm	ANY

STUDER (00) 86/01/23 Sn DELTA MOLEX INTERCON. 1.861.726.00 PAGE 3

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

REMARKS:
FOR 4A MAXIMUM OUTPUT CURRENT, RESISTOR R4 IS OMITTED

MANUFACTURERS:
St = STUDER
SGS = SGS
AMP = AMP
MOL = MOLEX

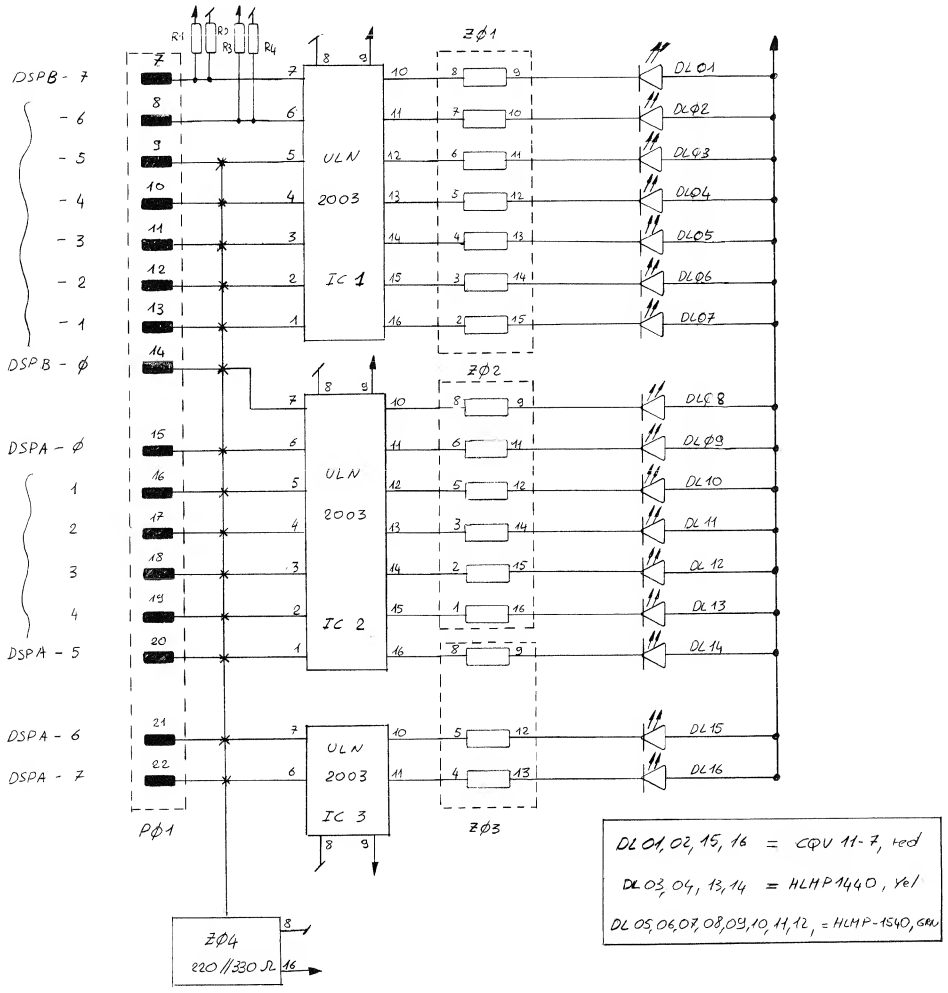
ABBREVIATIONS:
CER = CERAMIC / SAL = SOLID ALUMINIUM / EL = ELECTROLYTIC
PETP = POLYESTERFOIL

ORIG 86/01/23

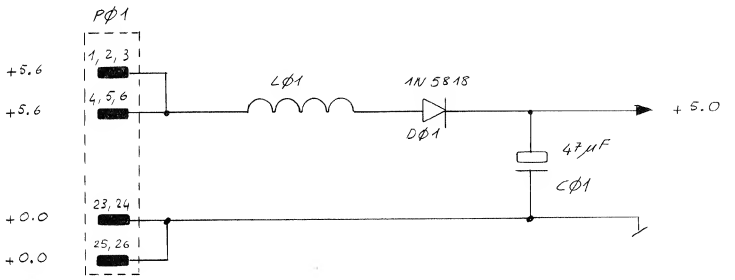
STUDER (00) 86/01/23 Sn DELTA MOLEX INTERCON. 1.861.726.00 PAGE 4

PUBLISHED: 09/86

QUALITY DISPLAY 1.861.731.00 PAGE 1



DL 01, 02, 15, 16 = CQV 11-7, red
DL 03, 04, 13, 14 = HLMP1440, Yel
DL 05, 06, 07, 08, 09, 10, 11, 12, = HLMP-1540, Grn



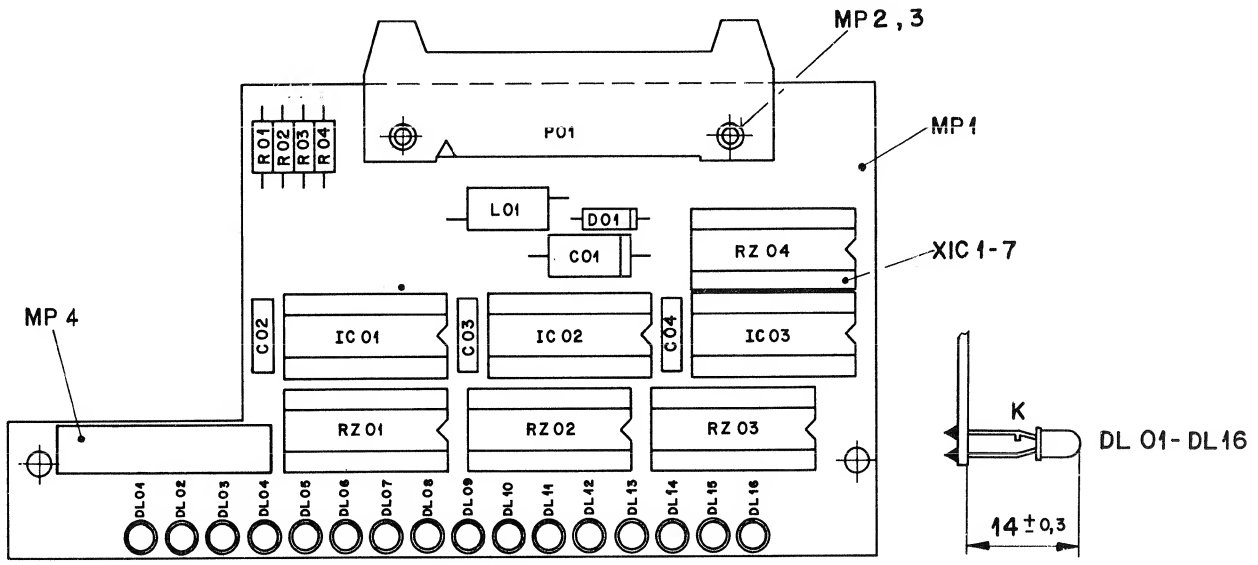
R1, R3 = 330 Ω R2, R4 = 220

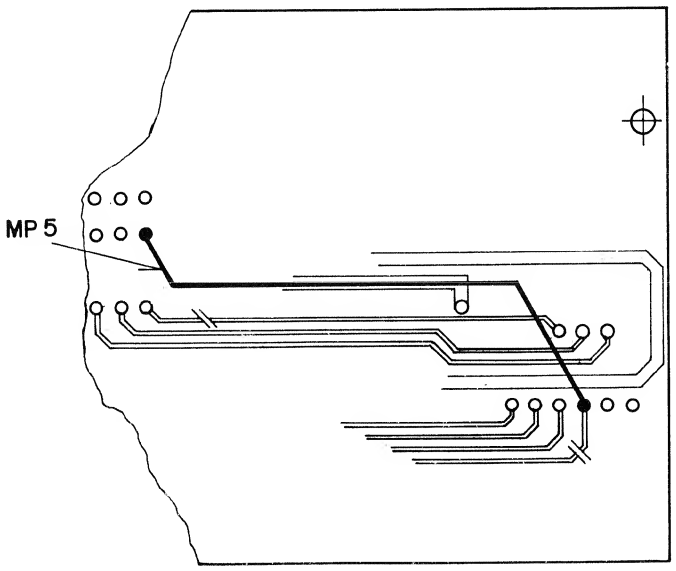
ZØ1, ZØ2, ZØ3 = 8 * 330Ω

0 25.2.85 Martignoni				
	D820X			PAGE 1 OF 1
STUDER	QUALITY DISPLAY			1.861.731.00

PUBLISHED: 12/86

QUALITY DISPLAY 1.861.731.00 PAGE 2 (LAST)





Änderung					
					3
					2
	29.11.85	A.Ho			1
Ausgabe	26.9.85	A.Ho			0
	Datum	Gez.	Gepr.	Ges.	Index

Kopie für:

Nummer: 1.861.731-00

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.25.4470	47u	20%, EL	ANY
	C.....2	59.99.0205	68n	20%, CER	ANY
	C.....3	59.99.0205	68n	20%, CER	ANY
	C.....4	59.99.0205	68n	20%, CER	ANY
	D.....1	50.04.0512	1N 5818		ANY
	DL....1	50.04.2129		CQV 11-7, RED, DIFFUSE	ANY
	DL....2	50.04.2129		CQV 11-7, RED, DIFFUSE	ANY
	DL....3	50.04.2152		HLMP-1440, YELLOW	HP
	DL....4	50.04.2152		HLMP-1440, YELLOW	HP
	DL....5	50.04.2162		HLMP-1540, GREEN	HP
	DL....6	50.04.2162		HLMP-1540, GREEN	HP
	DL....7	50.04.2162		HLMP-1540, GREEN	HP
	DL....8	50.04.2162		HLMP-1540, GREEN	HP
	DL....9	50.04.2162		HLMP-1540, GREEN	HP
	DL...10	50.04.2162		HLMP-1540, GREEN	HP
	DL...11	50.04.2162		HLMP-1540, GREEN	HP
	DL...12	50.04.2162		HLMP-1540, GREEN	HP
	DL...13	50.04.2152		HLMP-1440, YELLOW	HP
	DL...14	50.04.2152		HLMP-1440, YELLOW	HP
	DL...15	50.04.2129		CQV 11-7, RED, DIFFUSE	ANY
	DL...16	50.04.2129		CQV 11-7, RED, DIFFUSE	ANY
	IC.....1	50.05.0284		ULN 2003 A	ANY
	IC.....2	50.05.0284		ULN 2003 A	ANY
	IC.....3	50.05.0284		ULN 2003 A	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP.....1	1.861.731.11		PCB	St
	MP.....2	28.99.0119		RIVETING NUT, D2.5*0.15*10	ANY
	MP.....3	28.99.0119		RIVETING NUT, D2.5*0.15*10	ANY
(01)	MP.....4	1.861.731.01		LABEL WITH ASSEMBLY NUMBER	St
	P.....1	54.14.2013		26-PIN FLAT CONNECTOR, 90DEGR	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R.....1	57.11.4331	330	5%	ANY
	R.....2	57.11.4221	220	5%	ANY
	R.....3	57.11.4331	330	5%	ANY
	R.....4	57.11.4221	220	5%	ANY
	RZ.....1	57.88.3331	8*330	5%, OIL16	ANY
	RZ.....2	57.88.3331	8*330	5%, OIL16	ANY
	RZ.....3	57.88.3331	8*330	5%, OIL16	ANY
	RZ.....4	57.80.0101		14*330/220, 5%, OIL16	ANY
(01)	W.....1	1.010.010.64		WRAP-TYPE	St
	XIC...1	53.03.0168		OIL 16-PIN	ANY
	XIC...2	53.03.0168		OIL 16-PIN	ANY
	XIC...3	53.03.0168		DIL 16-PIN	ANY

REMARKS: *01: MODIFICATIONS ACCORDING TO SAMPLE

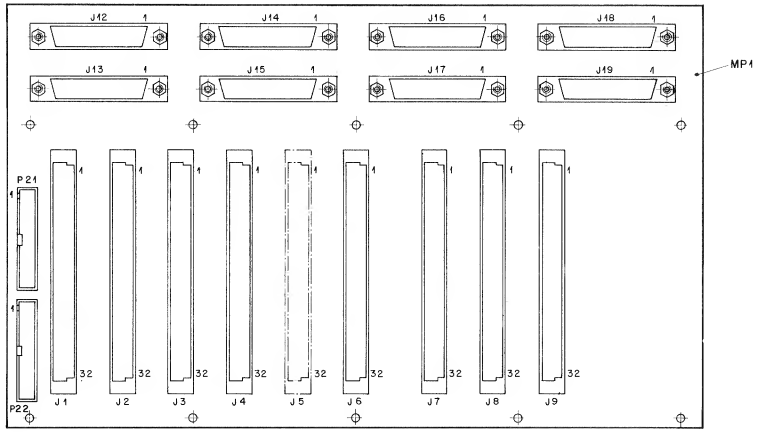
MANUFACTURERS:
St = STUDER
HP = HEWLETT-PACKARD
Ph = PHILIPS

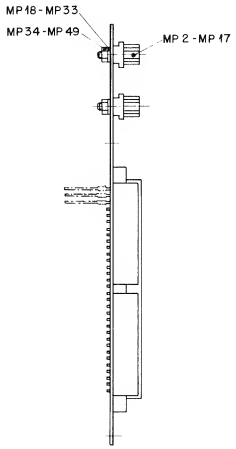
ABBREVIATIONS:
CER = CERAMIC / EL = ELECTROLYTIC / GRN = GREEN / RED = RED / YEL = YELLOW
RZ = RESISTOR NETWORK / XIC = IC SOCKET

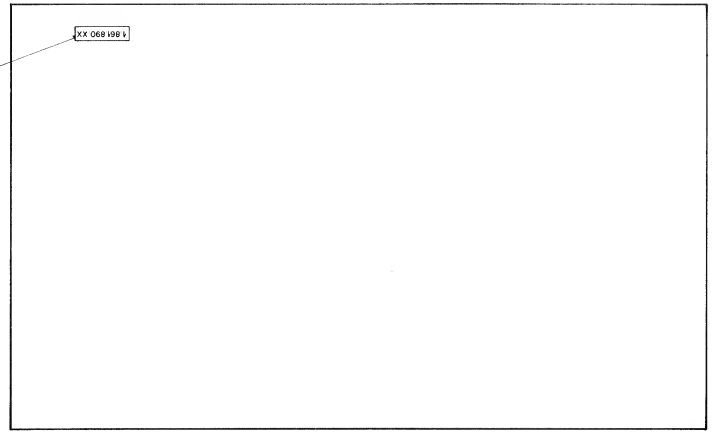
ORIG 85/07/22 (01) 86/11/03

PUBLISHED: 12/86

BACKPANEL RACK 1.861.890.00 PAGE 1 (LAST)







IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(00)	J.....1	54.11.2011		CONNECTOR 96-PIN, TYP C, F, ACP	AMP
(01)	J.....1	54.11.2025		CONNECTOR 64-PIN, TYP C, F, ACP	AMP
(00)	J.....2	54.11.2011		CONNECTOR 96-PIN, TYP C, F, ACP	AMP
(01)	J.....2	54.11.2025		CONNECTOR 64-PIN, TYP C, F, ACP	AMP
(00)	J.....3	54.11.2011		CONNECTOR 96-PIN, TYP C, F, ACP	AMP
(01)	J.....3	54.11.2025		CONNECTOR 64-PIN, TYP C, F, ACP	AMP
(00)	J.....4	54.11.2011		CONNECTOR 96-PIN, TYP C, F, ACP	AMP
(01)	J.....4	54.11.2025		CONNECTOR 64-PIN, TYP C, F, ACP	AMP
(00)	J.....5	54.11.2011		CONNECTOR 96-PIN, TYP C, F, ACP	AMP
(01)	J.....5				
(00)	J.....6	54.11.2011		CONNECTOR 96-PIN, TYP C, F, ACP	AMP
(01)	J.....6	54.11.2025		CONNECTOR 64-PIN, TYP C, F, ACP	AMP
(00)	J.....7	54.11.2011		CONNECTOR 96-PIN, TYP C, F, ACP	AMP
(01)	J.....7	54.11.2025		CONNECTOR 64-PIN, TYP C, F, ACP	AMP
(00)	J.....8	54.11.2011		CONNECTOR 96-PIN, TYP C, F, ACP	AMP
(01)	J.....8	54.11.2025		CONNECTOR 64-PIN, TYP C, F, ACP	AMP
(00)	J.....9	54.11.2011		CONNECTOR 96-PIN, TYP C, F, ACP	AMP
(01)	J.....9	54.11.2025		CONNECTOR 64-PIN, TYP C, F, ACP	AMP
(00)	J.....10	54.11.2011		CONNECTOR 96-PIN, TYP C, F, ACP	AMP
(01)	J.....10				
(00)	J.....11	54.11.2011		CONNECTOR 96-PIN, TYP C, F, ACP	AMP
(01)	J.....11				
	J.....12	54.13.0043		D-SUB CONNECTOR 25 PIN, F, ACP	AMP
	J.....13	54.13.0043		D-SUB CONNECTOR 25 PIN, F, ACP	AMP
	J.....14	54.13.0043		D-SUB CONNECTOR 25 PIN, F, ACP	AMP
	J.....15	54.13.0043		D-SUB CONNECTOR 25 PIN, F, ACP	AMP
	J.....16	54.13.0043		D-SUB CONNECTOR 25 PIN, F, ACP	AMP
	J.....17	54.13.0043		D-SUB CONNECTOR 25 PIN, F, ACP	AMP
	J.....18	54.13.0043		D-SUB CONNECTOR 25 PIN, F, ACP	AMP
	J.....19	54.13.0043		D-SUB CONNECTOR 25 PIN, F, ACP	AMP
	MP....1	1.861.890.12		PCB	St
	MP....2	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....3	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....4	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....5	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....6	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....7	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....8	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....9	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP...10	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP...11	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP...12	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP...13	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP...14	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP...15	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP...16	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP...17	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP...18	24.16.1030		LOCK WASHER	ANY
	MP...19	24.16.1030		LOCK WASHER	ANY
	MP...20	24.16.1030		LOCK WASHER	ANY
	MP...21	24.16.1030		LOCK WASHER	ANY
	MP...22	24.16.1030		LOCK WASHER	ANY
	MP...23	24.16.1030		LOCK WASHER	ANY
	MP...24	24.16.1030		LOCK WASHER	ANY
	MP...25	24.16.1030		LOCK WASHER	ANY
	MP...26	24.16.1030		LOCK WASHER	ANY
	MP...27	24.16.1030		LOCK WASHER	ANY
	MP...28	24.16.1030		LOCK WASHER	ANY
	MP...29	24.16.1030		LOCK WASHER	ANY
	MP...30	24.16.1030		LOCK WASHER	ANY
	MP...31	24.16.1030		LOCK WASHER	ANY
	MP...32	24.16.1030		LOCK WASHER	ANY
	MP...33	24.16.1030		LOCK WASHER	ANY
	MP...34	22.01.8030		NUT, M3	ANY
	MP...35	22.01.8030		NUT, M3	ANY
	MP...36	22.01.8030		NUT, M3	ANY
	MP...37	22.01.8030		NUT, M3	ANY
	MP...38	22.01.8030		NUT, M3	ANY
	MP...39	22.01.8030		NUT, M3	ANY
	MP...40	22.01.8030		NUT, M3	ANY
	MP...41	22.01.8030		NUT, M3	ANY
	MP...42	22.01.8030		NUT, M3	ANY
	MP...43	22.01.8030		NUT, M3	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...44	22.01.8030		NUT, M3	ANY
	MP...45	22.01.8030		NUT, M3	ANY
	MP...46	22.01.8030		NUT, M3	ANY
	MP...47	22.01.8030		NUT, M3	ANY
	MP...48	22.01.8030		NUT, M3	ANY
	MP...49	22.01.8030		NUT, M3	ANY
	P.....1	54.99.0170		26 PIN FLAT-CONNECTOR, M, ACP	AMP
	P.....2	54.99.0170		26 PIN FLAT-CONNECTOR, M, ACP	AMP

REMARKS: MOD 01: NEW PCB, DIFFERENT EURO CONNECTOR TYPE (A, C),
QTY = 7 PCS.

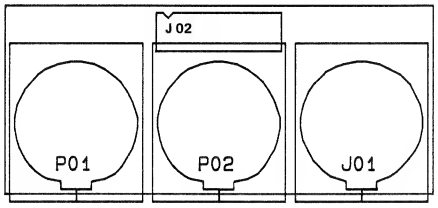
MANUFACTURERS:
St = STUDER
AMP = AMP

ABBREVIATIONS:
ACP = ACTION PIN SYSTEM CONNECTOR
F = FEMALE CONNECTOR
M = MALE CONNECTOR

ORIG 85/12/10 (01) 85/12/11

PUBLISHED: 12/86

CONNECTORFIELD CUE USA 1.861.586.00 PAGE 1 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	P.....1	54.21.2001		XLR MALE	ANY
	P.....2	54.21.2001		XLR MALE	ANY
	MP....1	1.861.586.11		PCB(USA)	St
	MP....2	20.21.7102		PHILIPS SCREW D2.2 P4.5	ANY
	MP....3	20.21.7102		PHILIPS SCREW D2.2 P4.5	ANY
	MP....4	20.21.7102		PHILIPS SCREW D2.2 P4.5	ANY
	J.....1	54.21.2002		XLR FEMALE	ANY
	J.....2	54.01.0242		CONNECTOR CIS 10-PIN	ANY

REMARKS:

MANUFACTURERS:
St = STUDER

ORIG 85/07/22

S T U D E R (00) 85/07/22 EM CONNECTOR FIELD CUE USA 1.861.586.00 PAGE 1

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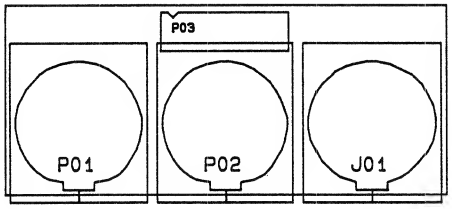
CONNECTORFIELD CUE EURO 1.861.774.00 PAGE 1 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	J.....1	54.21.2001		XLR MALE	ANY
	MP....1	1.861.774.11		PCB(EUROPE)	St
	MP....2	20.21.7102		PHILIPS SCREW D2.2 P4.5	ANY
	MP....3	20.21.7102		PHILIPS SCREW D2.2 P4.5	ANY
	MP....4	20.21.7102		PHILIPS SCREW D2.2 P4.5	ANY
	P.....1	54.21.2002		XLR FEMALE	ANY
	P.....2	54.21.2002		XLR FEMALE	ANY
	P.....3	54.01.0242		CONNECTOR CIS 10-PIN	ANY

REMARKS:

MANUFACTURERS:
St= STUDER /

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES /
XIC = IC SOCKET

ORIG 85/06/26

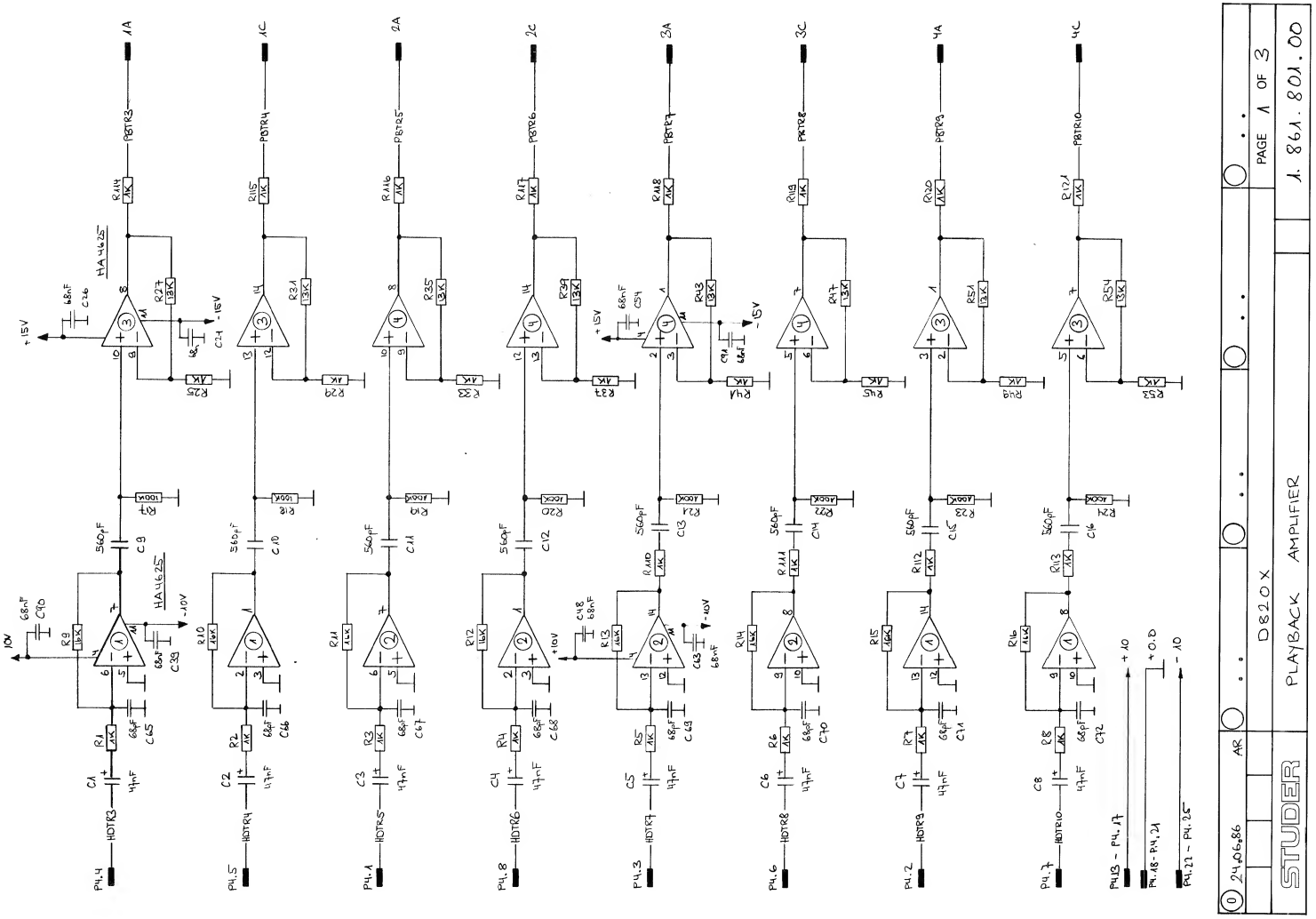
S T U D E R (00) 85/06/26 Sn CONNECTORFIELD CUE EURO 1.861.774.00 PAGE 1

PUBLISHED: 1/87

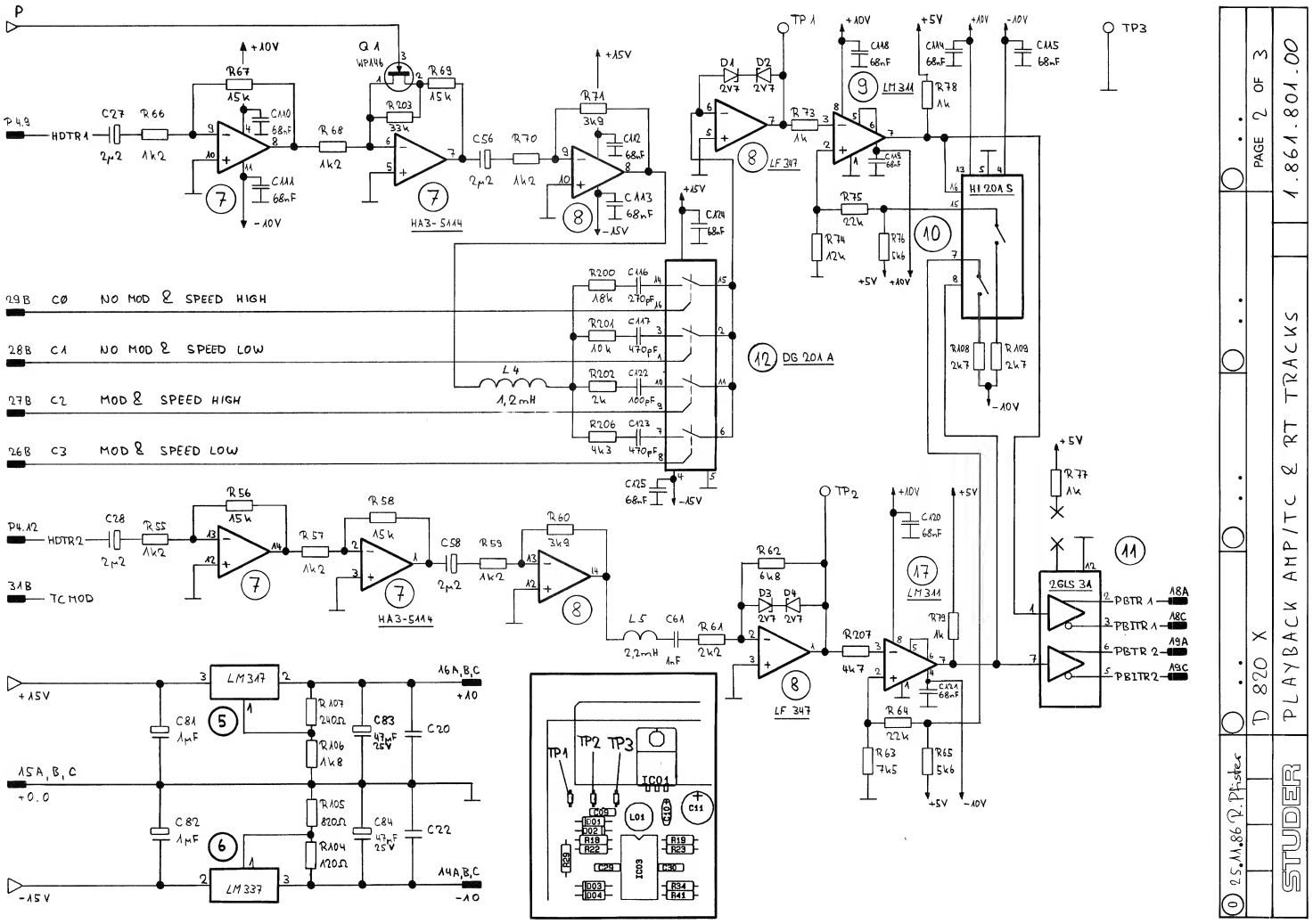
2. ASSEMBLY 2 CAGES

PUBLISHED: 12/86

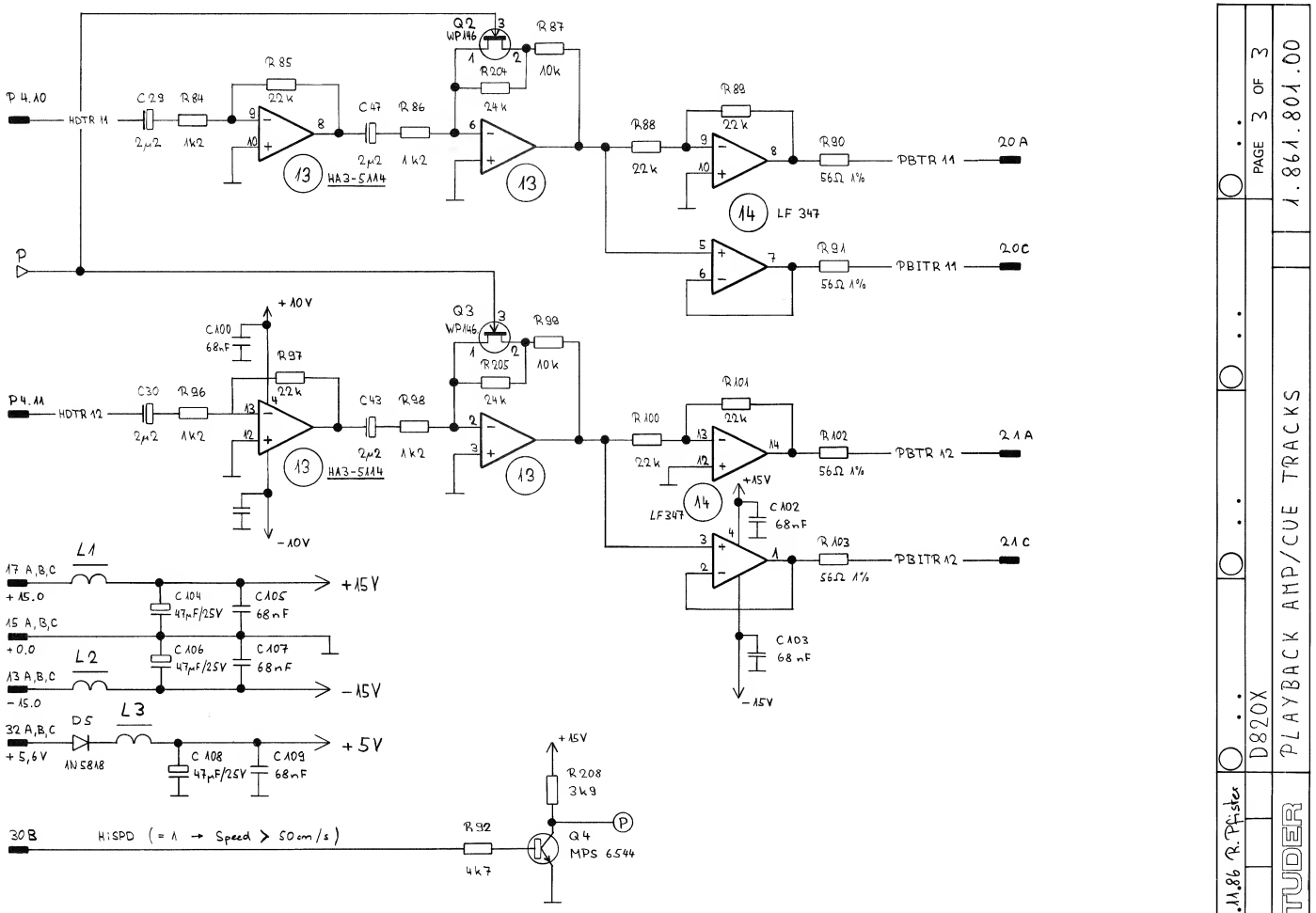
PLAYBACK AMPLIFIER 1.861.801.00 PAGE 1



PLAYBACK AMPLIFIER 1.861.801.00 PAGE 2



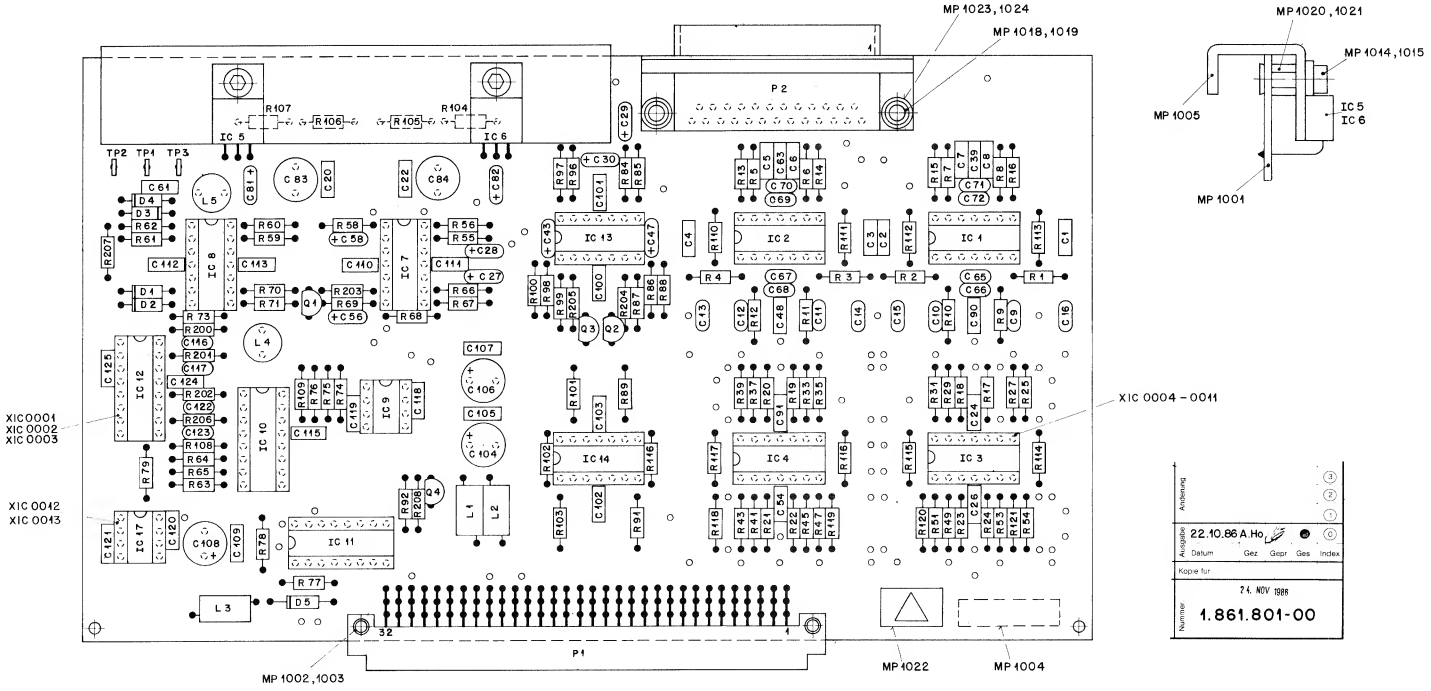
PLAYBACK AMPLIFIER 1.861.801.00 PAGE 3



0 24.11.86 R. Pfister	D820X	PAGE 3 OF 3	1.861.801.00
STUDER	PLAYBACK AMP/CUE TRACKS		

PUBLISHED: 12/86

PLAYBACK AMPLIFIER 1.861.801.00 PAGE 4



INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP.1011	50.20.0404		FEEDTHROUGH, INSULATED	ANY
	MP.1012	50.20.0305		INSULATING WASHER	ANY
	MP.1013	50.20.0305		INSULATING WASHER	ANY
	MP.1014	21.53.0356		SCREW, M3X10mm	ANY
	MP.1015	21.53.0356		SCREW, M3X10mm	ANY
	MP.1016	1.010.098.27		SPACING TUB 3.1, T92.3	ANY
	MP.1017	1.010.098.27		SPACING TUB 3.1, T92.3	ANY
	MP.1018	28.21.1480		RIVETING NUT, D3.1X6.5	ANY
	MP.1019	28.21.1480		RIVETING NUT, D3.1X6.5	ANY
	MP.1020	1.010.014.22		STAND-OFF, RIVETING TYPE, M3X4.5	ANY
	MP.1021	1.010.014.22		STAND-OFF, RIVETING TYPE, M3X4.5	ANY
	MP.1022	43.01.0108		LABEL "ESD"	ANY
	MP.1023	23.01.1032		WASHER 3.2/6X0.5	ANY
	MP.1024	23.01.1032		WASHER 3.2/6X0.5	ANY
	P..0001	54.01.0358		96-PIN CONNECTOR, SOLDERING	ANY
	P..0002	54.13.0013		DSUB25, MALE, 90DEGR.	ANY
	Q..0001	50.03.0329	WP146		Six
	Q..0002	50.03.0329	WP146		Six
	Q..0003	50.03.0329	WP146		Six
	Q..0004	50.03.0327	MPS6544		ANY
	R..0001	57.11.4102	1.0k	2%	ANY
	R..0002	57.11.4102	1.0k	2%	ANY
	R..0003	57.11.4102	1.0k	2%	ANY
	R..0004	57.11.4102	1.0k	2%	ANY
	R..0005	57.11.4102	1.0k	2%	ANY
	R..0006	57.11.4102	1.0k	2%	ANY
	R..0007	57.11.4102	1.0k	2%	ANY
	R..0008	57.11.4102	1.0k	2%	ANY
	R..0009	57.11.3163	16k	2%	ANY
	R..0010	57.11.3163	16k	2%	ANY
	R..0011	57.11.3163	16k	2%	ANY
	R..0012	57.11.3163	16k	2%	ANY
	R..0013	57.11.3163	16k	2%	ANY
	R..0014	57.11.3163	16k	2%	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R..0015	57.11.3163	16k	2%	ANY
	R..0016	57.11.3163	16k	2%	ANY
	R..0017	57.11.4104	100k	2%	ANY
	R..0018	57.11.4104	100k	2%	ANY
	R..0019	57.11.4104	100k	2%	ANY
	R..0020	57.11.4104	100k	2%	ANY
	R..0021	57.11.4104	100k	2%	ANY
	R..0022	57.11.4104	100k	2%	ANY
	R..0023	57.11.4104	100k	2%	ANY
	R..0024	57.11.4104	100k	2%	ANY
	R..0025	57.11.4102	1.0k	2%	ANY
	R..0027	57.11.3133	13k	2%	ANY
	R..0029	57.11.4102	1.0k	2%	ANY
	R..0031	57.11.3133	13k	2%	ANY
	R..0033	57.11.4102	1.0k	2%	ANY
	R..0035	57.11.3133	13k	2%	ANY
	R..0037	57.11.4102	1.0k	2%	ANY
	R..0039	57.11.3133	13k	2%	ANY
	R..0041	57.11.4102	1.0k	2%	ANY
	R..0043	57.11.3133	13k	2%	ANY
	R..0045	57.11.4102	1.0k	2%	ANY
	R..0047	57.11.3133	13k	2%	ANY
	R..0049	57.11.4102	1.0k	2%	ANY
	R..0051	57.11.3133	13k	2%	ANY
	R..0053	57.11.4102	1.0k	2%	ANY
	R..0054	57.11.3133	13k	2%	ANY
	R..0055	57.11.4122	1.2k	2%	ANY
	R..0056	57.11.4153	15k	2%	ANY
	R..0057	57.11.4122	1.2k	2%	ANY
	R..0058	57.11.4153	15k	2%	ANY
	R..0059	57.11.4122	1.2k	2%	ANY
	R..0060	57.11.4392	3.9k	2%	ANY
	R..0061	57.11.4222	2.2k	2%	ANY
	R..0062	57.11.4682	6.8k	2%	ANY
	R..0063	57.11.3752	7.5k	2%	ANY
	R..0064	57.11.4223	22k	2%	ANY
	R..0065	57.11.4562	5.6k	2%	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C..0001	59.06.5473	47n	5%, 20V, FILM	ANY
	C..0002	59.06.5473	47n	5%, 20V, FILM	ANY
	C..0003	59.06.5473	47n	5%, 20V, FILM	ANY
	C..0004	59.06.5473	47n	5%, 20V, FILM	ANY
	C..0005	59.06.5473	47n	5%, 20V, FILM	ANY
	C..0006	59.06.5473	47n	5%, 20V, FILM	ANY
	C..0007	59.06.5473	47n	5%, 20V, FILM	ANY
	C..0008	59.06.5473	47n	5%, 20V, FILM	ANY
	C..0009	59.34.5561	560p	10%, 30V, CER	ANY
	C..0010	59.34.5561	560p	10%, 30V, CER	ANY
	C..0011	59.34.5561	560p	10%, 30V, CER	ANY
	C..0012	59.34.5561	560p	10%, 30V, CER	ANY
	C..0013	59.34.5561	560p	10%, 30V, CER	ANY
	C..0014	59.34.5561	560p	10%, 30V, CER	ANY
	C..0015	59.34.5561	560p	10%, 30V, CER	ANY
	C..0016	59.34.5561	560p	10%, 30V, CER	ANY
	C..0020	59.99.0205	68n	20%, CER	ANY
	C..0022	59.99.0205	68n	20%, CER	ANY
	C..0024	59.99.0205	68n	20%, CER	ANY
	C..0026	59.99.0205	68n	20%, CER	ANY
	C..0027	59.26.5229	2.2 u	20%, 25V, SAL	ANY
	C..0028	59.26.5229	2.2 u	20%, 25V, SAL	ANY
	C..0029	59.26.5229	2.2 u	20%, 25V, SAL	ANY
	C..0030	59.26.5229	2.2 u	20%, 25V, SAL	ANY
	C..0039	59.99.0205	68n	20%, CER	ANY
	C..0043	59.26.5229	2.2u	20%, 25V, SAL	ANY
	C..0047	59.26.5229	2.2u	20%, 25V, SAL	ANY
	C..0048	59.99.0205	68n	20%, CER	ANY
	C..0054	59.99.0205	68n	20%, CER	ANY
	C..0056	59.26.5229	2.2u	20%, 25V, SAL	ANY
	C..0058	59.26.5229	2.2u	20%, 25V, SAL	ANY
	C..0061	59.06.5102	1n	5%, 30V, FILM	ANY
	C..0063	59.99.0205	68n	20%, CER	ANY
	C..0065	59.34.4680	68p	20%, CER	ANY
	C..0066	59.34.4680	68p	20%, CER	ANY
	C..0067	59.34.4680	68p	20%, CER	ANY
	C..0068	59.34.4680	68p	20%, CER	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C..0069	59.34.4680	68p	20%, CER	ANY
	C..0070	59.34.4680	68p	20%, CER	ANY
	C..0071	59.34.4680	68p	20%, CER	ANY
	C..0072	59.34.4680	68p	20%, CER	ANY
	C..0081	59.26.9109	1u	20%, 25V, SAL	ANY
	C..0082	59.26.9109	1u	20%, 25V, SAL	ANY
	C..0083	59.22.5470	47u	20%, 25V, EL	ANY
	C..0084	59.22.5470	47u	20%, 25V, EL	ANY
	C..0090	59.99.0205	68n	20%, CER	ANY
	C..0091	59.99.0205	68n	20%, CER	ANY
	C..0100	59.99.0205	68n	20%, CER	ANY
	C..0101	59.99.0205	68n	20%, CER	ANY
	C..0102	59.99.0205	68n	20%, CER	ANY
	C..0103	59.99.0205	68n	20%, CER	ANY
	C..0104	59.22.5470	47u	20%, 20V, EL	ANY
	C..0105	59.99.0205	68n	20%, CER	ANY
	C..0106	59.22.5470	47u	20%, 25V, EL	ANY
	C..0107	59.99.0205	68n	20%, CER	ANY
	C..0108	59.22.5470	47u	20%, 25V, EL	ANY
	C..0109	59.99.0205	68n	20%, CER	ANY
	C..0110	59.99.0205	68n	20%, CER	ANY
	C..0111	59.99.0205	68n	20%, CER	ANY
	C..0112	59.99.0205	68n	20%, CER	ANY
	C..0113	59.99.0205	68n	20%, CER	ANY
	C..0115	59.99.0205	68n	20%, CER	ANY
	C..0116	59.34.4271	270p	10%, CER	ANY
	C..0117	59.34.5471	470p	10%, CER	ANY
	C..0118	59.99.0205	68n	20%, CER	ANY
	C..0119	59.99.0205	68n	20%, CER	ANY
	C..0120	59.99.0205	68n	20%, CER	ANY
	C..0121	59.99.0205	68n	20%, CER	ANY
	C..0122	59.34.4101	100p	10%, CER	ANY
	C..0123	59.34.5471	470p	10%, CER	ANY
	C..0124	59.99.0205	68n	20%, CER	ANY
	C..0125	59.99.0205	68n	20%, CER	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	D..0001	50.04.1106	2.7V	10%, .40W, BZX55C ONLY	ITT
	D..0002	50.04.1106	2.7V	10%, .40W, BZX55C ONLY	ITT
	D..0003	50.04.1106	2.7V	10%, .40W, BZX55C ONLY	ITT
	D..0004	50.04.0512	1N5818		Mot
	D..0005	50.04.0512			Mot
	IC.0001	50.09.0113		HA3-5114-5	Ha
	IC.0002	50.09.0113		HA3-5114-5	Ha
	IC.0003	50.09.0113		HA3-5114-5	ANY
	IC.0004	50.09.0113		HA3-5114-5	ANY
	IC.0005	50.10.0104		LM 317	ANY
	IC.0006	50.10.0105		LM 337	ANY
	IC.0007	50.09.0113		HA3-5114-5	Ha
	IC.0008	50.09.0104		LF 347 N	ANY
	IC.0009	50.11.0114		LM 311	ANY
	IC.0010	50.17.0101		HI1-201HS-5	ANY
	IC.0011	50.15.0108		AM26 LS 31 PC,AM26 LS31 CN	ANY
	IC.0012	50.07.0034		AG-201 ACJ	ANY
	IC.0013	50.09.0113		HA3-5114-5	Ha
	IC.0014	50.09.0104		LF 347 N	ANY
	IC.0017	50.11.0114		LM 311	ANY
	L..0001	62.01.0115		WIDE BAND HF CHOKE	ANY
	L..0002	62.01.0115		WIDE BAND HF CHOKE	ANY
	L..0003	62.01.0115		WIDE BAND HF CHOKE	ANY
	L..0004	62.02.2122	1.2 mHy	5%	ANY
	L..0005	62.02.1222	2.2 mHy	5%	ANY
	MP.1001	1.861.801.11	1 PCS	PCB	ANY
	MP.1002	28.99.0119	1 PCS	RIVETING NUT, D2.25*10	ANY
	MP.1003	28.99.0119	1 PCS	RIVETING NUT, D2.25*10	ANY
	MP.1004	1.861.801.01	1 PCS	NAME PLATE	St
	MP.1005	1.861.801.02		HEATSINK	St
	MP.1006	37.01.0101		LOCK WASHER	ANY
	MP.1007	37.01.0101		LOCK WASHER	ANY
	MP.1008	37.01.0101		LOCK WASHER	ANY
	MP.1009	37.01.0101		LOCK WASHER	ANY
	MP.1010	50.20.0404		FEEDTHROUGH, INSULATED	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R..0066	57.11.4122	1.2k	2%	ANY
	R..0067	57.11.4153	15k	2%	ANY
	R..0068	57.11.4122	1.2k	2%	ANY
	R..0069	57.11.4153	15k	2%	ANY
	R..0070	57.11.4122	1.2k	2%	ANY
	R..0071	57.11.4392	3.9k	2%	ANY
	R..0073	57.11.4102	1k	2%	ANY
	R..0074	57.11.4123	12k	2%	ANY
	R..0075	57.11.4223	22k	2%	ANY
	R..0076	57.11.4562	5.6k	2%	ANY
	R..0077	57.11.4102	1.0k	2%	ANY
	R..0078	57.11.4102	1.0k	2%	ANY
	R..0079	57.11.4102	1.0k	2%	ANY
	R..0084	57.11.4122	1.2k	2%	ANY
	R..0085	57.11.4223	22k	2%	ANY
	R..0086	57.11.4122	1.2k	2%	ANY
	R..0087	57.11.4103	10k	2%	ANY
	R..0088	57.11.4223	22k	2%	ANY
	R..0089	57.11.4223	22k	2%	ANY
	R..0090	57.11.3560	56	1%	ANY
	R..0091	57.11.3560	56	1%	ANY
	R..0092	57.11.4472	4.7k	2%	ANY
	R..0096	57.11.4122	1.2k	2%	ANY
	R..0097	57.11.4223	22k	2%	ANY
	R..0098	57.11.4122	1.2k	2%	ANY
	R..0099	57.11.4103	10k	2%	ANY
	R..0100	57.11.4223	22k	2%	ANY
	R..0101	57.11.4223	22k	2%	ANY
	R..0102	57.11.3560	56	1%	ANY
	R..0103	57.11.3560	56	1%	ANY
	R..0104	57.11.4121	120	2%	ANY
	R..0105	57.11.4821	820	2%	ANY
	R..0106	57.11.4182	1.8k	2%	ANY
	R..0107	57.11.3241	240	1%	ANY
	R..0108	57.11.4272	2.7k	2%	ANY
	R..0109	57.11.4272	2.7k	2%	ANY
	R..0110	57.11.4102	1k	2%	ANY

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R..0111	57.11.4102	1k	2%	ANY
	R..0112	57.11.4102	1k	2%	ANY
	R..0113	57.11.4102	1k	2%	ANY
	R..0114	57.11.4102	1k	2%	ANY
	R..0115	57.11.4102	1k	2%	ANY
	R..0116	57.11.4102	1k	2%	ANY
	R..0117	57.11.4102	1k	2%	ANY
	R..0118	57.11.4102	1k	2%	ANY
	R..0119	57.11.4102	1k	2%	ANY
	R..0120	57.11.4102	1k	2%	ANY
	R..0121	57.11.4102	1k	2%	ANY
	R..0200	57.11.4183	18k	2%	ANY
	R..0201	57.11.4103	10k	2%	ANY
	R..0202	57.11.3202	2k	2%	ANY
	R..0203	57.11.4333	33k	2%	ANY
	R..0204	57.11.3243	24k	2%	ANY
	R..0205	57.11.3243	24k	2%	ANY
	R..0206	57.11.3432	4.3k	2%	ANY
	R..0207	57.11.4472	4.7k	2%	ANY
	R..0208	57.11.4392	3.9k	2%	ANY
	TP.0001	29.21.6002		TESTPOINT	ANY
	TP.0002	29.21.6002		TESTPOINT	ANY
	TP.0003	29.21.6002		TESTPOINT	ANY
	XIC0001	53.03.0168		16-PIN	ANY
	XIC0002	53.03.0168		16-PIN	ANY
	XIC0003	53.03.0168		16-PIN	ANY
	XIC0004	53.03.0167		14-PIN	ANY
	XIC0005	53.03.0167		14-PIN	ANY
	XIC0006	53.03.0167		14-PIN	ANY
	XIC0007	53.03.0167		14-PIN	ANY
	XIC0008	53.03.0167		14-PIN	ANY
	XIC0009	53.03.0167		14-PIN	ANY
	XIC0010	53.03.0167		14-PIN	ANY
	XIC0011	53.03.0167		14-PIN	ANY
	XIC0012	53.03.0166		8-PIN	ANY

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC0013	53.03.0166		8-PIN	ANY

REMARKS:

MANUFACTURERS:
St = STUDER / Ph = PHILIPS / Mot = MOTOROLA / Six = SILICONIX /
Ha = HARRIS / ITT = INT. TELEPHONE & TELEGRAPH

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES /
XIC = IC SOCKET

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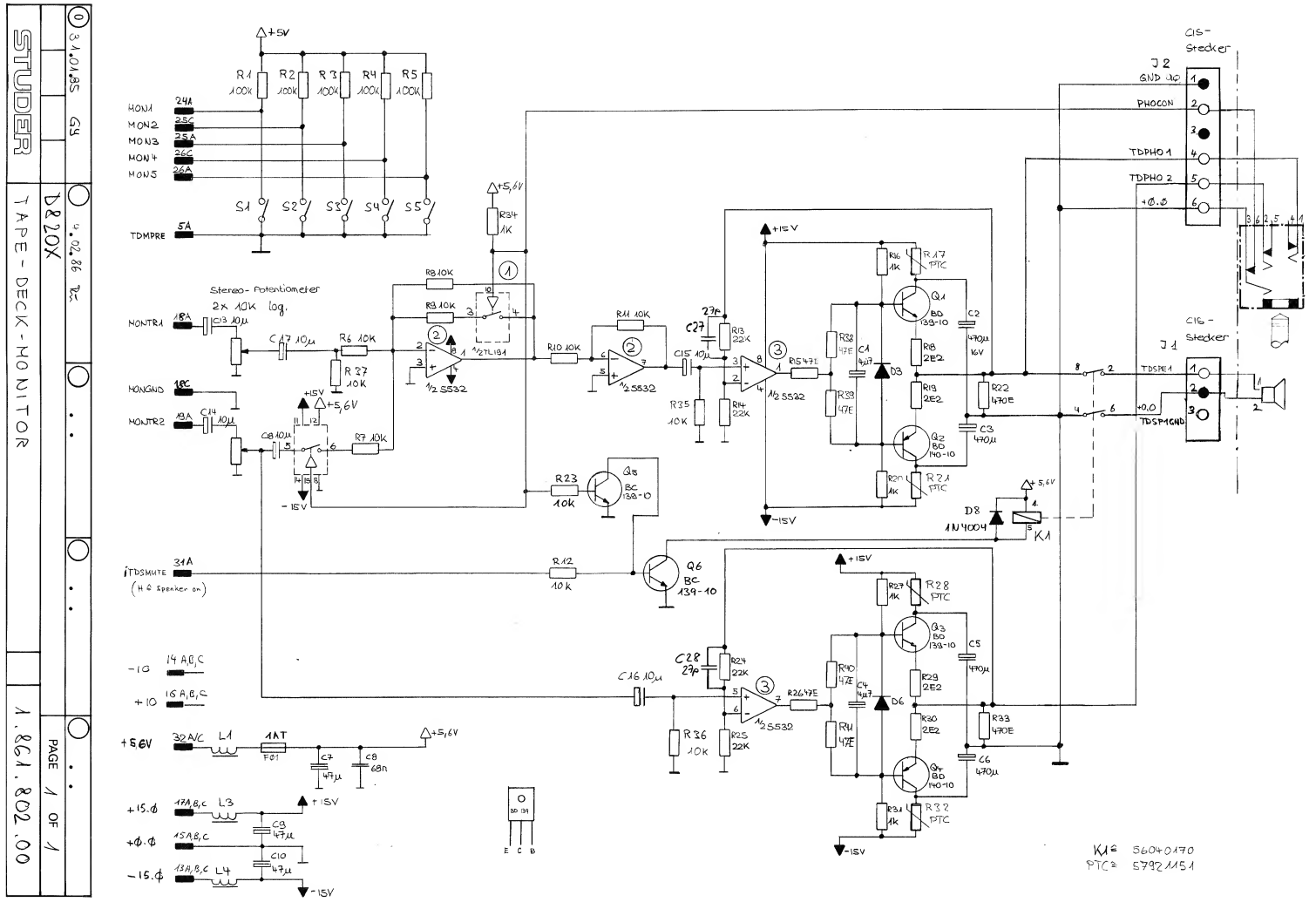

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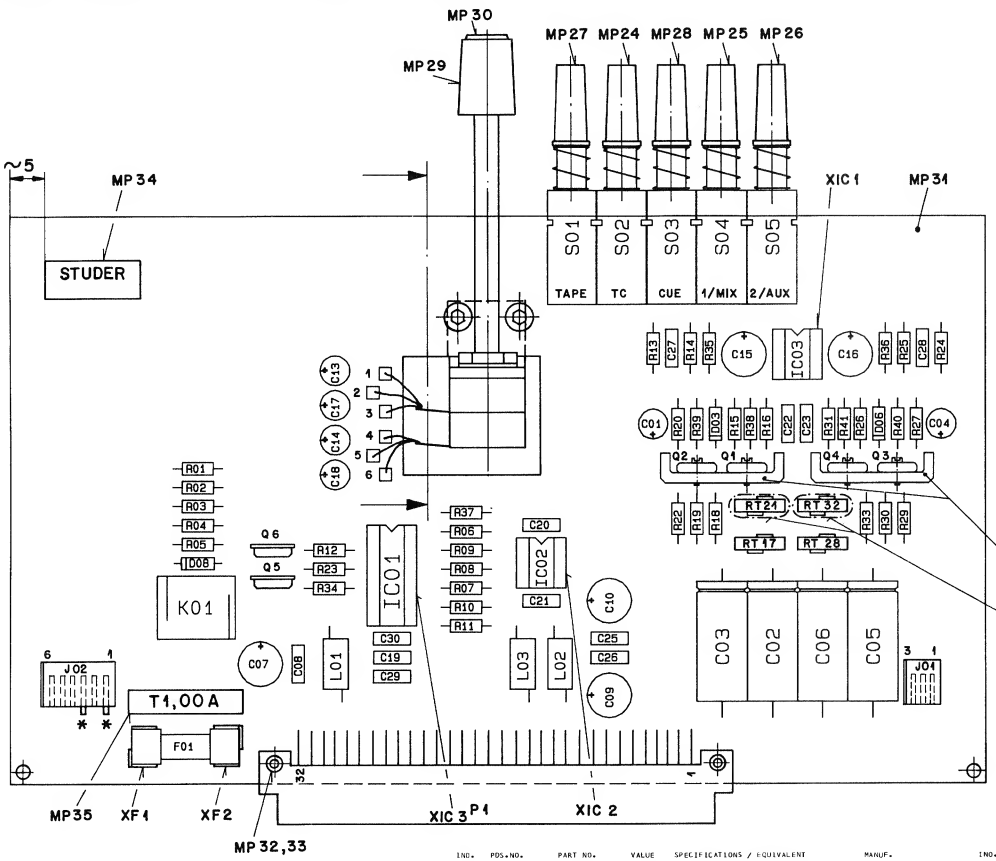


IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...29	42.01.0203		BUTTON FOR POTENTIOMETER	ANY
	MP...30	42.01.0251		COVER FOR BUTTON	ANY
	MP...31	1.861.802.11		PCB	St
	MP...32	28.99.0119		RIVETING NUT, D2.590.15*10	ANY
	MP...33	28.99.0119		RIVETING NUT, D2.590.15*10	ANY
	MP...34	1.861.802.01		NAME PLATE	St
	MP...35	1.010.115.51		FUSE LABEL, 1A	St
	MP...36	1.010.032.22		NUT, M*0.75	ANY
	MP...37	1.010.127.65		SHRINKING TUBE	ANY
	MP...38	1.010.127.65		SHRINKING TUBE	ANY
	P.....1	54.01.0365		CARD CONNECTOR, 2*32 EURO SOLDERING	ANY
	Q.....1	50.03.0451		BD 139 NPN	ANY
	Q.....2	50.03.0452		BD 140 PNP	ANY
	Q.....3	50.03.0451		BD 139 NPN	ANY
	Q.....4	50.03.0452		BD 140 PNP	ANY
	Q.....5	50.03.0451		BD 139 NPN	ANY
	Q.....6	50.03.0451		BD 139 NPN	ANY
	R.....1	57.11.4104	100k	2%	ANY
	R.....2	57.11.4104	100k	2%	ANY
	R.....3	57.11.4104	100k	2%	ANY
	R.....4	57.11.4104	100k	2%	ANY
	R.....5	57.11.4104	100k	2%	ANY
	R.....6	57.11.4103	10k	2%	ANY
	R.....7	57.11.4103	10k	2%	ANY
	R.....8	57.11.4103	10k	2%	ANY
	R.....9	57.11.4103	10k	2%	ANY
	R.....10	57.11.4103	10k	2%	ANY
	R.....11	57.11.4103	10k	2%	ANY
	R.....12	57.11.4103	10k	2%	ANY
	R.....13	57.11.4223	22k	2%	ANY
	R.....14	57.11.4223	22k	2%	ANY
	R.....15	57.11.4470	47E	2%	ANY
	R.....16	57.11.4102	1k	2%	ANY
	R.....18	57.11.4229	2.2E	2%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R.....19	57.11.4229	2.2E	2%	ANY
	R.....20	57.11.4102	1k	2%	ANY
	R.....22	57.11.4471	470E	2%	ANY
	R.....23	57.11.4103	10k	2%	ANY
	R.....24	57.11.4223	22k	2%	ANY
	R.....25	57.11.4223	22k	2%	ANY
	R.....26	57.11.4470	47E	2%	ANY
	R.....27	57.11.4102	1k	2%	ANY
	R.....29	57.11.4229	2.2E	2%	ANY
	R.....30	57.11.4229	2.2E	2%	ANY
	R.....31	57.11.4102	1.0k	2%	ANY
	R.....33	57.11.4471	470E	2%	ANY
	R.....34	57.11.4102	1k	2%	ANY
	R.....35	57.11.4103	10k	2%	ANY
	R.....36	57.11.4103	10k	2%	ANY
	R.....37	57.11.4103	10k	2%	ANY
	R.....38	57.11.4470	47E	2%	ANY
	R.....39	57.11.4470	47E	2%	ANY
	R.....40	57.11.4470	47E	2%	ANY
	R.....41	57.11.4470	47E	2%	ANY
	R.....45	1.912.001.30	10k	PMG	ANY
	RT....17	57.92.1151	22E	4W, PTC	ANY
	RT....21	57.92.1151	22E	4W, PTC	ANY
	RT....28	57.92.1151	22E	4W, PTC	ANY
	RT....32	57.92.1151	22E	4W, PTC	ANY
	S.....1	55.03.0302		PUSH BUTTON	ANY
	S.....2	55.03.0302		PUSH BUTTON	ANY
	S.....3	55.03.0302		PUSH BUTTON	ANY
	S.....4	55.03.0302		PUSH BUTTON	ANY
	S.....5	55.03.0302		PUSH BUTTON	ANY
	W.....1	1.010.200.64		STRANDED WIRE BLACK	St
	W.....2	1.010.200.64		STRANDED WIRE BLACK	St
	W.....3	1.010.201.64		STRANDED WIRE BROWN	St
	W.....4	1.010.201.64		STRANDED WIRE BROWN	St

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.22.8479	4.7u	20%, 25V, EL	ANY
	C.....2	59.25.3471	470u	20%, 16V, EL	ANY
	C.....3	59.25.3471	470u	20%, 16V, EL	ANY
	C.....4	59.22.8479	4.7u	20%, 25V, EL	ANY
	C.....5	59.25.3471	470u	20%, 16V, EL	ANY
	C.....6	59.25.3471	470u	20%, 16V, EL	ANY
	C.....7	59.22.5470	47u	20%, 25V, EL	ANY
	C.....8	59.99.0205	68n	20%, 30V, CER	ANY
	C.....9	59.22.5470	47u	20%, 25V, EL	ANY
	C.....10	59.22.5470	47u	20%, 25V, EL	ANY
	C.....13	59.22.6100	10u	20%, 35V, EL	ANY
	C.....14	59.22.6100	10u	20%, 35V, EL	ANY
	C.....15	59.22.6100	10u	20%, 35V, EL	ANY
	C.....16	59.22.6100	10u	20%, 35V, EL	ANY
	C.....17	59.22.6100	10u	20%, 35V, EL	ANY
	C.....18	59.22.6100	10u	20%, 35V, EL	ANY
	C.....19	59.99.0205	68n	20%, 30V, CER	ANY
	C.....20	59.99.0205	68n	20%, 30V, CER	ANY
	C.....21	59.99.0205	68n	20%, 30V, CER	ANY
	C.....22	59.99.0705	68n	20%, 30V, CER	ANY
	C.....23	59.99.0705	68n	20%, 30V, CER	ANY
	C.....25	59.99.0205	68n	20%, 30V, CER	ANY
	C.....26	59.99.0205	68n	20%, 30V, CER	ANY
	C.....27	59.34.2270	27p	20%, 30V, CER	ANY
	C.....28	59.34.2270	27p	20%, 30V, CER	ANY
	C.....29	59.99.0205	68n	20%, 30V, CER	ANY
	C.....30	59.99.0205	68n	20%, 30V, CER	ANY
	D.....3	50.04.0125	1N 4448		ANY
	D.....6	50.04.0125	1N 4448		ANY
	D.....8	50.04.0125	1N 4448		ANY
	F.....1	51.01.0117		SLOW BLOW, T1.0A	ANY
	IC....1	50.11.0120		TL 191 CN	ANY
	IC....2	50.09.0106		NE 5532 AN	ANY
	IC....3	50.09.0106		NE 5532 AN	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	J.....1	54.01.0249		CIS CONNECTOR, 3-PIN	ANY
	J.....2	54.01.0214		CIS CONNECTOR, 6-PIN	ANY
	K.....1	56.04.0170		DPDT, 5V	ITT
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L.....2	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L.....3	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	1.861.802.02		MOUNTING ASSY FOR POTENTIOMETER	St
	MP....2	1.820.860.01		HEATSINK, 12*25mm	St
	MP....3	1.820.860.01		HEATSINK, 12*25mm	St
	MP....4	21.53.0354		CYLIN. HEAD, M3*6	ANY
	MP....5	21.53.0354		CYLIN. HEAD, M3*6	ANY
	MP....6	21.53.0354		CYLIN. HEAD, M3*6	ANY
	MP....7	21.53.0354		CYLIN. HEAD, M3*6	ANY
	MP....8	21.53.0354		CYLIN. HEAD, M3*6	ANY
	MP....9	21.53.0354		CYLIN. HEAD, M3*6	ANY
	MP....10	24.16.1030		LOCK WASHER, M3	ANY
	MP....11	24.16.1030		LOCK WASHER, M3	ANY
	MP....12	37.01.0101		WASHER SPRING TYPE, D=3.2	ANY
	MP....13	37.01.0101		WASHER SPRING TYPE, D=3.2	ANY
	MP....14	37.01.0101		WASHER SPRING TYPE, D=3.2	ANY
	MP....15	37.01.0101		WASHER SPRING TYPE, D=3.2	ANY
	MP....16	37.01.0101		WASHER SPRING TYPE, D=3.2	ANY
	MP....17	37.01.0101		WASHER SPRING TYPE, D=3.2	ANY
	MP....18	37.01.0101		WASHER SPRING TYPE, D=3.2	ANY
	MP....19	37.01.0101		WASHER SPRING TYPE, D=3.2	ANY
	MP....20	50.20.0310		INSULATOR, GREASED, FOR TO 126	St
	MP....21	50.20.0310		INSULATOR, GREASED, FOR TO 126	St
	MP....22	50.20.0310		INSULATOR, GREASED, FOR TO 126	St
	MP....23	50.20.0310		INSULATOR, GREASED, FOR TO 126	St
	MP....24	1.011.094.08		KEY TOP, GRY	St
	MP....25	1.011.094.08		KEY TOP, GRY	St
	MP....26	1.011.094.08		KEY TOP, GRY	St
	MP....27	1.011.094.06		KEY TOP, BLU	St
	MP....28	1.011.094.05		KEY TOP, GRN	St

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	W.....5	1.010.203.64		STRANDED WIRE ORANGE	St
	W.....6	1.010.203.64		STRANDED WIRE ORANGE	St
	XF....1	53.03.0142		CLAMP	ANY
	XF....2	53.03.0142		CLAMP	ANY
	XIC...1	53.03.0166		DIL 8-PIN	ANY
	XIC...2	53.03.0166		DIL 8-PIN	ANY
	XIC...3	53.03.0168		DIL 16-PIN	ANY

REMARKS:

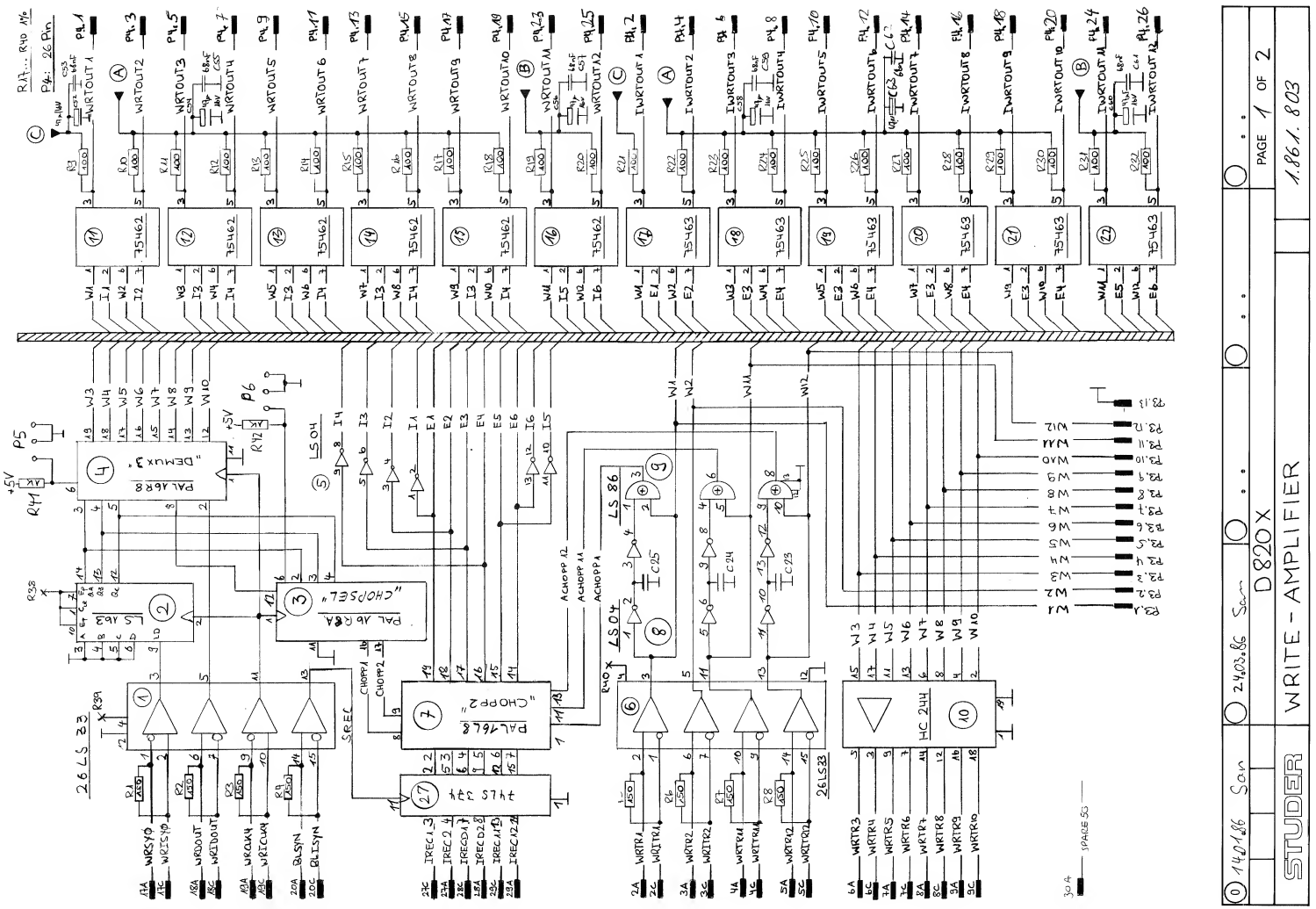
MANUFACTURERS:
St = STUDER
Ph = PHILIPS
ITT = ITT

ABBREVIATIONS:
CER = CERAMIC / EL = ELECTROLYTIC / E = UNIT RESISTANCE
XIC = IC SOCKET

ORIG 85/08/05

PUBLISHED: 09/86

WRITE AMPLIFIER 1.861.803.00 PAGE 1



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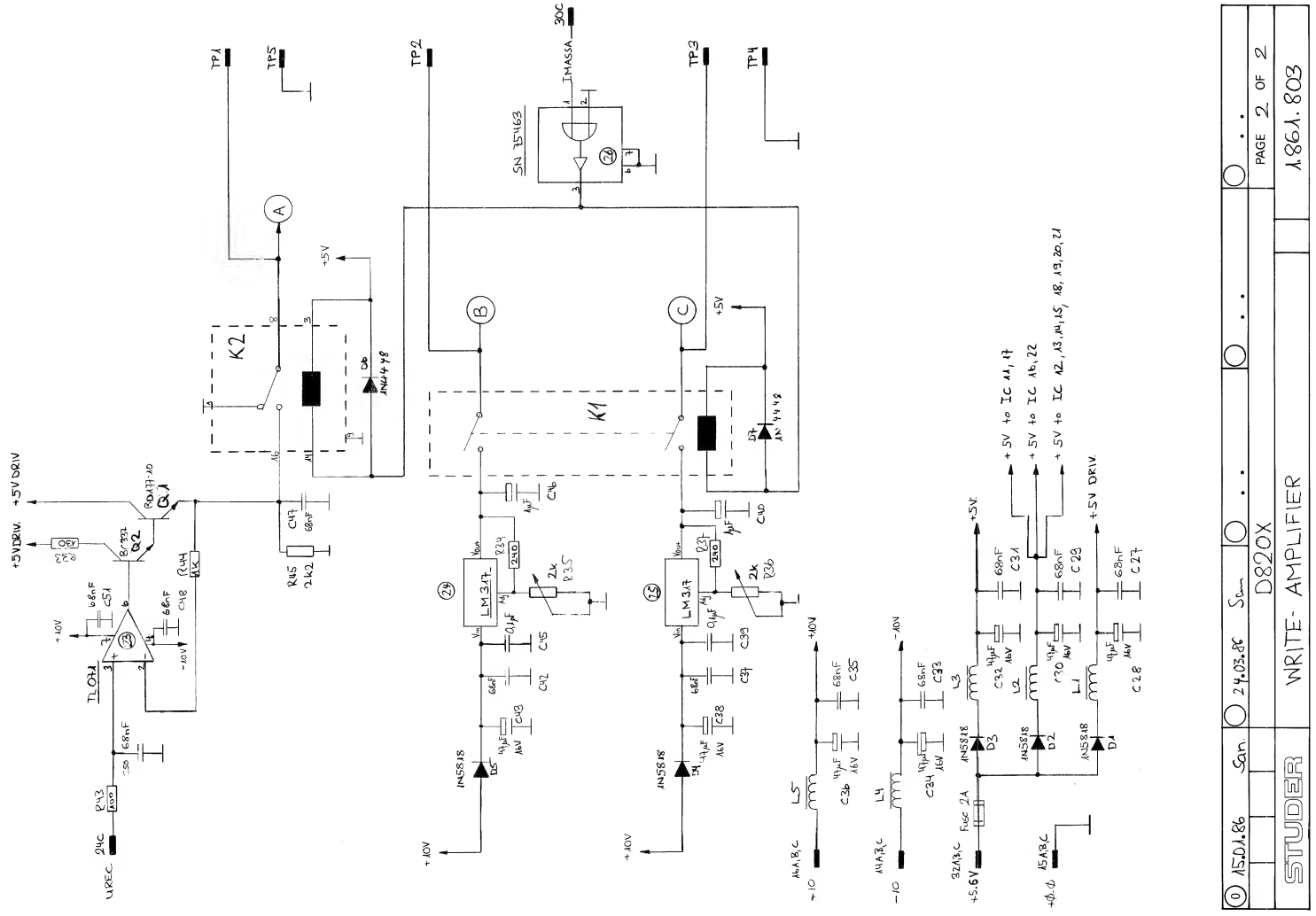

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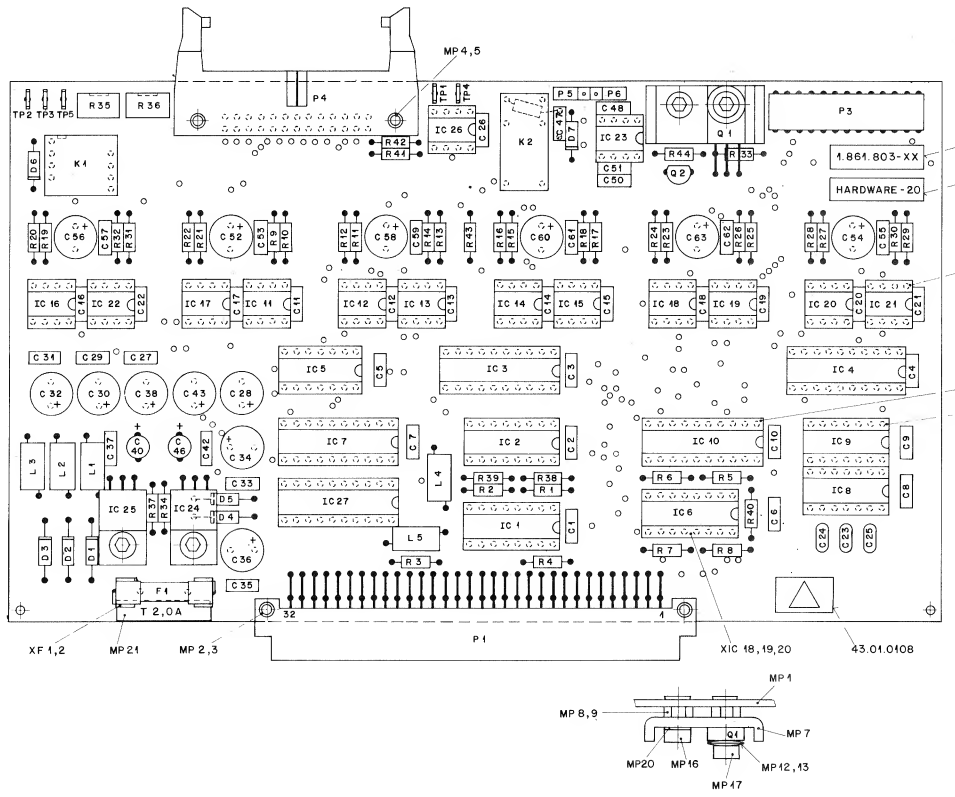


IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C...0001	59.99.0205	68n	50%, CER	ANY
	C...0002	59.99.0205	68n	50%, CER	ANY
	C...0003	59.99.0205	68n	50%, CER	ANY
	C...0004	59.99.0205	68n	50%, CER	ANY
	C...0005	59.99.0205	68n	50%, CER	ANY
	C...0006	59.99.0205	68n	50%, CER	ANY
	C...0007	59.99.0205	68n	50%, CER	ANY
	C...0008	59.99.0205	68n	50%, CER	ANY
	C...0009	59.99.0205	68n	50%, CER	ANY
	C...0010	59.99.0205	68n	50%, CER	ANY
	C...0011	59.99.0205	68n	50%, CER	ANY
	C...0012	59.99.0205	68n	50%, CER	ANY
	C...0013	59.99.0205	68n	50%, CER	ANY
	C...0014	59.99.0205	68n	50%, CER	ANY
	C...0015	59.99.0205	68n	50%, CER	ANY
	C...0016	59.99.0205	68n	50%, CER	ANY
	C...0017	59.99.0205	68n	50%, CER	ANY
	C...0018	59.99.0205	68n	50%, CER	ANY
	C...0019	59.99.0205	68n	50%, CER	ANY
	C...0020	59.99.0205	68n	50%, CER	ANY
	C...0021	59.99.0205	68n	50%, CER	ANY
	C...0022	59.99.0205	68n	50%, CER	ANY
	C...0023	59.32.2222	2.2n	20%, 20V, CER	ANY
	C...0024	59.32.2222	2.2n	20%, 20V, CER	ANY
	C...0025	59.32.2222	2.2n	20%, 20V, CER	ANY
	C...0026	59.99.0205	68n	50%, 20V, CER	ANY
	C...0027	59.99.0205	68n	50%, 20V, CER	ANY
	C...0028	59.22.5472	47u	50%, 20V, ELECTROLYTIC	ANY
	C...0029	59.99.0205	68n	50%, 20V, CER	ANY
	C...0030	59.22.5470	47u	50%, 20V, ELECTROLYTIC	ANY
	C...0031	59.99.0205	68n	50%, 20V, CER	ANY
	C...0032	59.22.5470	47u	50%, 20V, ELECTRULYTIC	ANY
	C...0033	59.99.0205	68n	50%, 20V, CER	ANY
	C...0034	59.22.5470	47u	50%, 20V, ELECTROLYTIC	ANY
	C...0035	59.99.0205	68n	50%, 20V, CER	ANY
	C...0036	59.22.5470	47u	50%, 20V, ELECTROLYTIC	ANY
	C...0037	59.99.0205	68n	50%, 20V, CER	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C...0038	59.22.5470	47u	50%, 20V, ELECTROLYTIC	ANY
	C...0040	59.22.8109	1u	50%, 20V, ELECTROLYTIC	ANY
	C...0042	59.99.0205	68n	50%, 20V, CER	ANY
	C...0043	59.22.5470	47u	50%, 20V, ELECTROLYTIC	ANY
	C...0046	59.22.8109	1u	50%, 20V, ELECTROLYTIC	ANY
	C...0047	59.99.0205	68n	50%, 20V, CER	ANY
	C...0048	59.99.0205	68n	50%, 20V, CER	ANY
	C...0050	59.99.0205	68n	50%, 20V, CER	ANY
	C...0051	59.99.0205	68n	50%, 20V, CER	ANY
	C...0052	59.22.5470	47u	50%, 20V, ELECTROLYTIC	ANY
	C...0053	59.99.0205	68n	50%, 20V, CER	ANY
	C...0054	59.22.5470	47u	50%, 20V, ELECTROLYTIC	ANY
	C...0055	59.99.0205	68n	50%, 20V, CER	ANY
	C...0056	59.22.5470	47u	50%, 20V, ELECTROLYTIC	ANY
	C...0057	59.99.0205	68n	50%, 20V, CER	ANY
	C...0058	59.22.5470	47u	50%, 20V, ELECTROLYTIC	ANY
	C...0059	59.99.0205	68n	50%, 20V, CER	ANY
	C...0060	59.22.5470	47u	50%, 20V, ELECTROLYTIC	ANY
	C...0061	59.99.0205	68n	50%, 20V, CER	ANY
	C...0062	59.99.0205	68n	50%, 20V, CER	ANY
	C...0063	59.22.5470	47u	50%, 20V, ELECTROLYTIC	ANY
	D...0001	50.04.0512	1N 5818		ANY
	D...0002	50.04.0512	1N 5818		ANY
	D...0003	50.04.0512	1N 5818		ANY
	D...0004	50.04.0512	1N 5818		ANY
	D...0005	50.04.0512	1N 5818		ANY
	D...0006	50.04.0125	1N 4448		ANY
	D...0007	50.04.0125	1N 4448		ANY
	F.....1	51.01.0120		2A SLOW BLOW, 5*20mm	ANY
	IC....1	50.15.0109		AM26 LS33 PC+DS26 LS33 CN	ANY
	IC....2	50.06.0163		SN 74 LS 163 AN	ANY
	IC....3	50.18.0012		PAL 16 R 5 A-2CN (186142020)	ANY
	IC....4	50.18.0012		PAL 16 R 5 A-2CN (186142120)	ANY
	IC....5	50.06.0004		SN 74 LS 04 N	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....6	50.15.0109		AM26 LS33 PC+DS26 LS33 CN	ANY
	IC....7	50.18.0009		PAL 16 L 8 A-2CN (186142220)	ANY
	IC....8	50.06.0004		SN 74 LS 04 N	ANY
	IC....9	50.06.0086		SN 74 LS 86 AN	ANY
	IC....10	50.06.0244		SN 74 LS 244 N	ANY
	IC....11	50.05.0227		SN 75 462 P	ANY
	IC....12	50.05.0227		SN 75 462 P	ANY
	IC....13	50.05.0227		SN 75 462 P	ANY
	IC....14	50.05.0227		SN 75 462 P	ANY
	IC....15	50.05.0227		SN 75 462 P	ANY
	IC....16	50.05.0227		SN 75 462 P	ANY
	IC....17	50.05.0203		SN 75463 P, DS 3613 N	ANY
	IC....18	50.05.0203		SN 75463 P, DS 3613 N	ANY
	IC....19	50.05.0203		SN 75463 P, DS 3613 N	ANY
	IC....20	50.05.0203		SN 75463 P, DS 3613 N	ANY
	IC....21	50.05.0203		SN 75463 P, DS 3613 N	ANY
	IC....22	50.05.0203		SN 75463 P, DS 3613 N	ANY
	IC....23	50.09.0103		TL 071	ANY
	IC....24	50.10.0104		LM 317	ANY
	IC....25	50.10.0104		LM 317	ANY
	IC....26	50.05.0203		SN 75463 P, DS 3613 N	ANY
	IC....27	50.06.0374		SN 74 LS 374	ANY
	K.....1	56.04.0170	5 V DPDT	20V/0.1A	ANY
	K.....2	56.04.0190	5 V DPST	20V/0.1A	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L.....2	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L.....3	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L.....4	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L.....5	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	1.861.803.11	1 PCS	PCB	St
	MP....2	28.99.0119	1 PCS	RIVETING NUT, D2.5*0.15*10	ANY
	MP....3	28.99.0119	1 PCS	RIVETING NUT, D2.5*0.15*10	ANY
	MP....4	28.99.0119	1 PCS	RIVETING NUT, D2.5*0.15*10	ANY
	MP....5	28.99.0119	1 PCS	RIVETING NUT, D2.5*0.15*10	ANY

Änderung				
Ausgabe	21.10.86 A.Ho			
	Datum	Gez	Gepr	Ges	Index
Kopie für				
Nummer	1.861.803-20			

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....6	1.861.803.01	1 PCS	NAME PLATE	St
	MP....7	1.861.803.02	1 PCS	HEATSINK W/O THREAD	St
	MP....8	1.010.012.22		STAND-OFF, RIVETING TYPE, M3#2	St
	MP....9	1.010.012.22		STAND-OFF, RIVETING TYPE, M3#2	St
	MP....10	1.010.014.22		STAND-OFF, RIVETING TYPE, M3#4.5	St
	MP....11	1.010.014.22		STAND-OFF, RIVETING TYPE, M3#4.5	St
	MP....12	37.01.0101		SPRING WASHER, D=3mm	ANY
	MP....13	37.01.0101		SPRING WASHER, D=3mm	ANY
	MP....14	21.53.0354		SCREW, CYLIN.-HEAD, M3#6	ANY
	MP....15	21.53.0354		SCREW, CYLIN.-HEAD, M3#6	ANY
	MP....16	21.53.0354		SCREW, CYLIN.-HEAD, M3#6	ANY
	MP....17	21.53.0355		SCREW, CYLIN.-HEAD, M3#8	ANY
	MP....18	24.16.0030		WASHER, BENDED, 3.2	ANY
	MP....19	24.16.0030		WASHER, BENDED, 3.2	ANY
	MP....20	24.16.0030		WASHER, BENDED, 3.2	ANY
	MP....21	1.010.118.51		LABEL "FUSE T2.0A"	St
	MP....22	1.101.001.20		LABEL "HARDWARE-VERSION -20"	St
	P.....1	54.01.0365		CARD CONNECTOR, 2#32 EURO SOLDERING	ANY
	P.....3	54.01.0309		CIS-TYPE, 13 PIN, FEMALE	ANY
	P.....4	54.14.2013		FLATCABLE CONNECTOR, HEADER-TYPE, 26 PIN	ANY
	P.....5	54.01.0020		SIL CONNECTOR PINS, QTY=6	ANY
	P.....6	54.01.0021		JUMPER CONNECTOR	ANY
	P.....7	54.01.0021		JUMPER CONNECTOR	ANY
	Q.....1	50.03.0445	BD 177-10		ANY
	Q.....2	50.03.0340	BC 337-25		ANY
	R.....1	57.11.4151	150	2%	ANY
	R.....2	57.11.4151	150	2%	ANY
	R.....3	57.11.4151	150	2%	ANY
	R.....4	57.11.4151	150	2%	ANY
	R.....5	57.11.4151	150	2%	ANY
	R.....6	57.11.4151	150	2%	ANY
	R.....7	57.11.4151	150	2%	ANY
	R.....8	57.11.4151	150	2%	ANY
	R.....9	57.11.3101	100	1%	ANY
	R.....10	57.11.3101	100	1%	ANY
	R.....11	57.11.3101	100	1%	ANY
	R.....12	57.11.3101	100	1%	ANY
	R.....13	57.11.3101	100	1%	ANY
	R.....14	57.11.3101	100	1%	ANY
	R.....15	57.11.3101	100	1%	ANY
	R.....16	57.11.3101	100	1%	ANY
	R.....17	57.11.3101	100	1%	ANY
	R.....18	57.11.3101	100	1%	ANY
	R.....19	57.11.3101	100	1%	ANY
	R.....20	57.11.3101	100	1%	ANY
	R.....21	57.11.3101	100	1%	ANY
	R.....22	57.11.3101	100	1%	ANY
	R.....23	57.11.3101	100	1%	ANY
	R.....24	57.11.3101	100	1%	ANY
	R.....25	57.11.3101	100	1%	ANY
	R.....26	57.11.3101	100	1%	ANY
	R.....27	57.11.3101	100	1%	ANY
	R.....28	57.11.3101	100	1%	ANY
	R.....29	57.11.3101	100	1%	ANY
	R.....30	57.11.3101	100	1%	ANY
	R.....31	57.11.3101	100	1%	ANY
	R.....32	57.11.3101	100	1%	ANY
	R.....33	57.11.3131	130	2%	ANY
	R.....34	57.11.3241	240	2%	ANY
	R.....35	58.01.9202	2k	10%	ANY
	R.....36	58.01.9202	2k	10%	ANY
	R.....37	57.11.3241	240	2%	ANY
	R.....38	57.11.4102	1k	2%	ANY
	R.....39	57.11.4102	1k	2%	ANY
	R.....40	57.11.4102	1k	2%	ANY
	R.....41	57.11.4102	1k	2%	ANY
	R.....42	57.11.4102	1k	2%	ANY
	R.....43	57.11.3101	100	1%	ANY
	R.....44	57.11.4102	1k	2%	ANY
	TP....1	54.02.0320		TESTPOINT	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	TP....2	54.02.0320		TESTPOINT	ANY
	TP....3	54.02.0320		TESTPOINT	ANY
	TP....4	54.02.0320		TESTPOINT	ANY
	TP....5	54.02.0320		TESTPOINT	ANY
	XF....1	53.03.0142		CLAMP	ANY
	XF....2	53.03.0142		CLAMP	ANY
	XIC...1	53.03.0166		8-PIN	ANY
	XIC...2	53.03.0166		8-PIN	ANY
	XIC...3	53.03.0166		8-PIN	ANY
	XIC...4	53.03.0166		8-PIN	ANY
	XIC...5	53.03.0166		8-PIN	ANY
	XIC...6	53.03.0166		8-PIN	ANY
	XIC...7	53.03.0166		8-PIN	ANY
	XIC...8	53.03.0166		8-PIN	ANY
	XIC...9	53.03.0166		8-PIN	ANY
	XIC...10	53.03.0166		8-PIN	ANY
	XIC...11	53.03.0166		8-PIN	ANY
	XIC...12	53.03.0166		8-PIN	ANY
	XIC...13	53.03.0166		8-PIN	ANY
	XIC...14	53.03.0166		8-PIN	ANY
	XIC...15	53.03.0167		14-PIN	ANY
	XIC...16	53.03.0167		14-PIN	ANY
	XIC...17	53.03.0167		14-PIN	ANY
	XIC...18	53.03.0168		16-PIN	ANY
	XIC...19	53.03.0168		16-PIN	ANY
	XIC...20	53.03.0168		16-PIN	ANY
	XIC...21	53.03.0165		20-PIN	ANY
	XIC...22	53.03.0165		20-PIN	ANY
	XIC...23	53.03.0165		20-PIN	ANY
	XIC...24	53.03.0165		20-PIN	ANY
	XIC...25	53.03.0165		20-PIN	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

REMARKS:

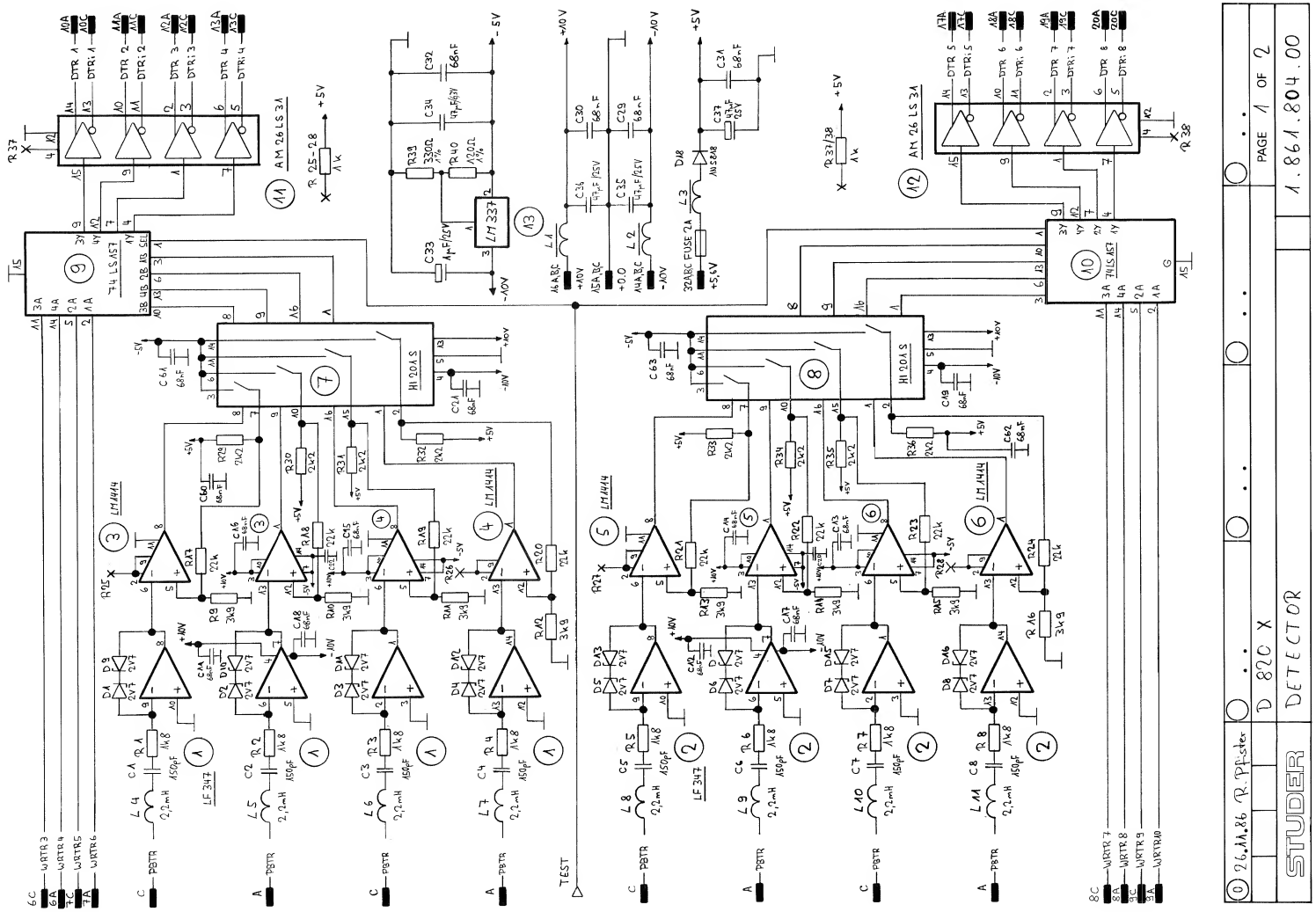
MANUFACTURERS:
St = STUDER / Ph = PHILIPS

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES / XIC = IC SOCKET

ORIG 86/03/21

PUBLISHED: 12/86

DETECTOR 1.861.804.00 PAGE 1



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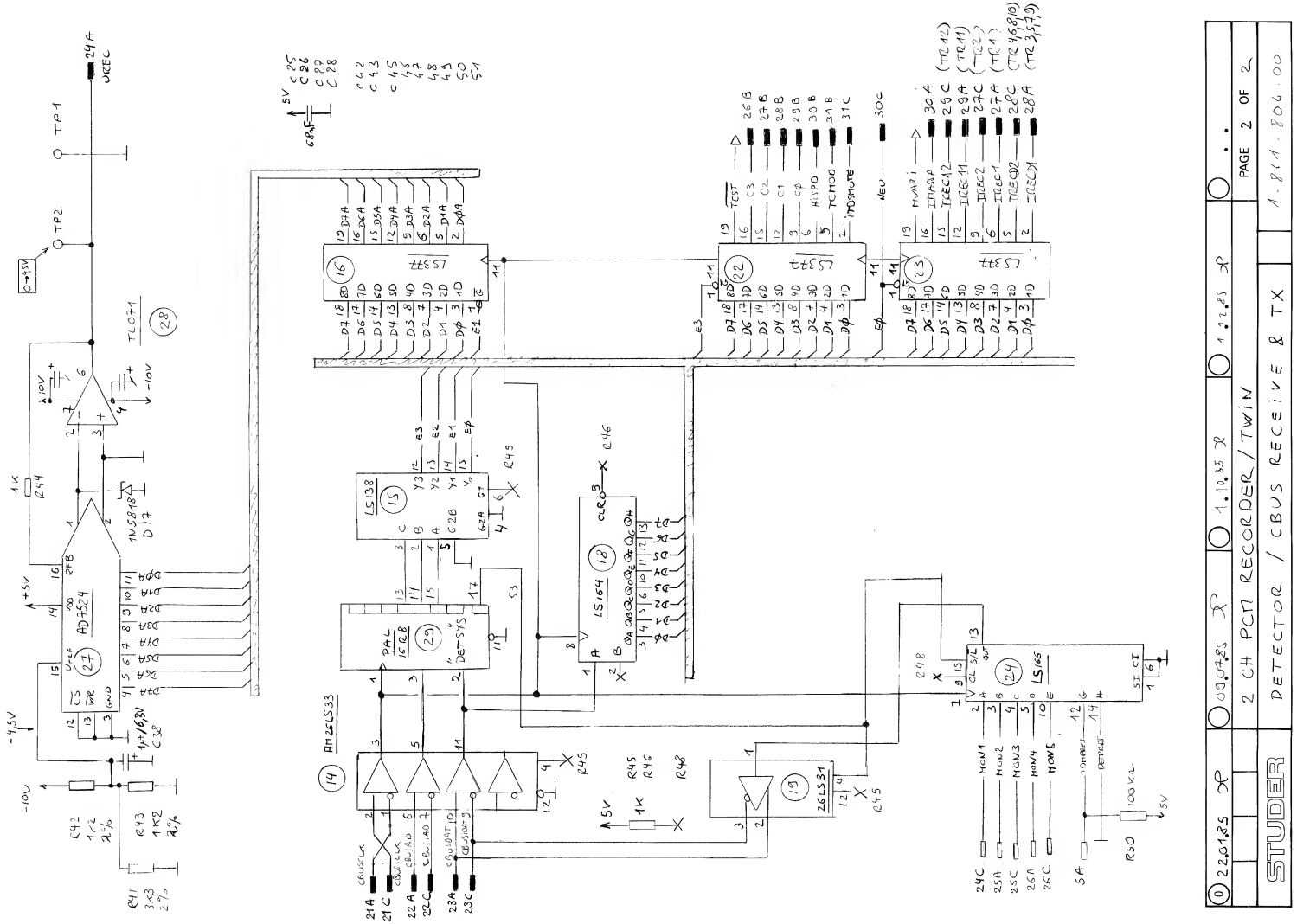
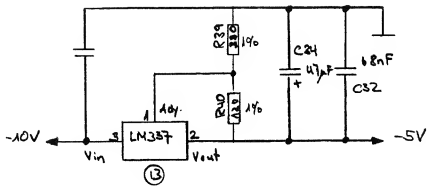
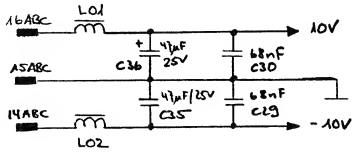
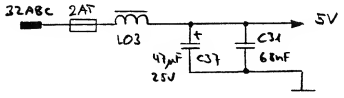


DETECTOR 1.861.804.00 PAGE 3







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	D820 X			PAGE 1 OF 1
STUDER	POWER SUPPLY DETECTOR			1.861.804.00

PUBLISHED: 09/86

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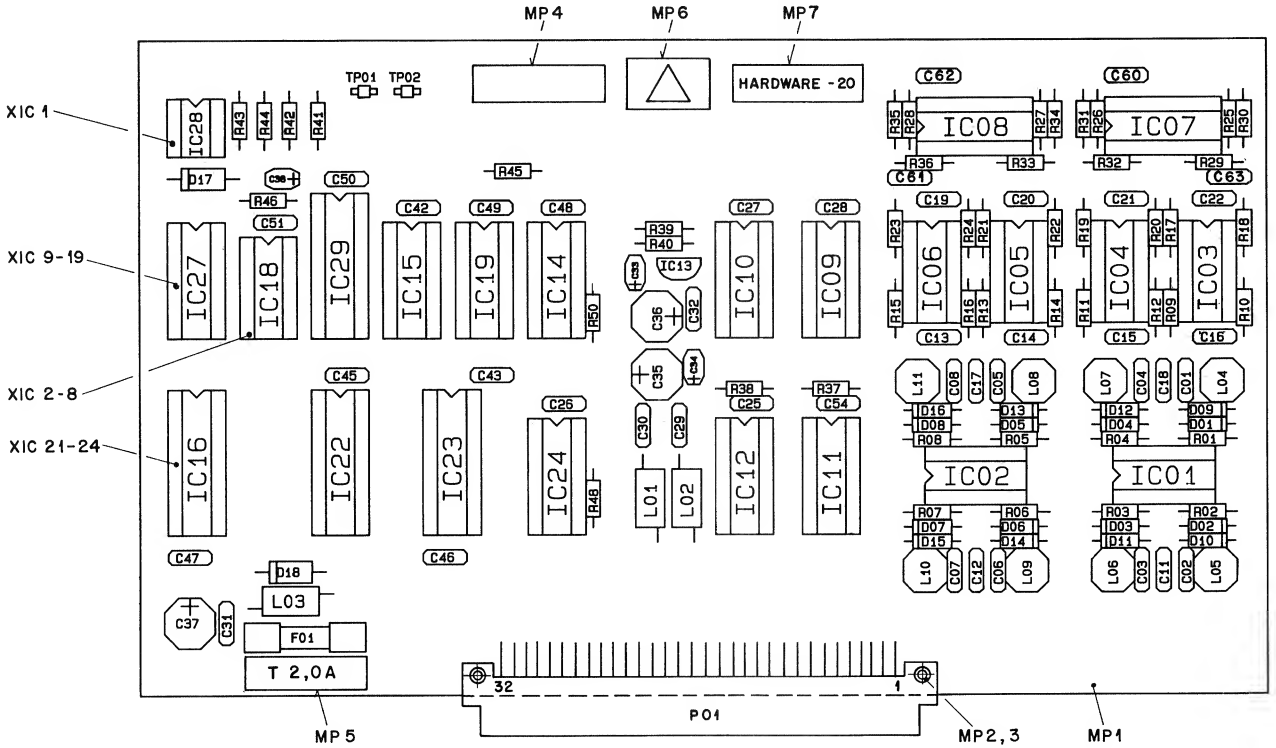

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....5	1.010.110.51	1 PCS	LABEL "FUSL 2AT"	St
	MP....6	43.01.0108	1 PCS	LABEL "ESE"	ANY
	MP....7	1.101.001.20	1 PCS	LABEL "HARDWARE RELEASE VERSION -20"	St
	P.....1	54.01.0358		CONNECTOR, TYPE C, 3096	ANY
	R.....1	57.11.4102	1.8k	5%	ANY
	R.....2	57.11.4182	1.8k	5%	ANY
	R.....3	57.11.4182	1.8k	5%	ANY
	R.....4	57.11.4182	1.8k	5%	ANY
	R.....5	57.11.4182	1.8k	5%	ANY
	R.....6	57.11.4182	1.8k	5%	ANY
	R.....7	57.11.4182	1.8k	5%	ANY
	R.....8	57.11.4102	1.8k	5%	ANY
	R.....9	57.11.4392	3.9k	5%	ANY
	R....10	57.11.4392	3.9k	5%	ANY
	R....11	57.11.4392	3.9k	5%	ANY
	R....12	57.11.4392	3.9k	5%	ANY
	R....13	57.11.4392	3.9k	5%	ANY
	R....14	57.11.4392	3.9k	5%	ANY
	R....15	57.11.4392	3.9k	5%	ANY
	R....16	57.11.4392	3.9k	5%	ANY
	R....17	57.11.4223	22k	5%	ANY
	R....18	57.11.4223	22k	5%	ANY
	R....19	57.11.4223	22k	5%	ANY
	R....20	57.11.4223	22k	5%	ANY
	R....21	57.11.4223	22k	5%	ANY
	R....22	57.11.4223	22k	5%	ANY
	R....23	57.11.4223	22k	5%	ANY
	R....24	57.11.4223	22k	5%	ANY
	R....25	57.11.4102	1.0k	5%	ANY
	R....26	57.11.4102	1.0k	5%	ANY
	R....27	57.11.4102	1.0k	5%	ANY
	R....28	57.11.4102	1.0k	5%	ANY
	R....29	57.11.4222	2.2k	5%	ANY
	R....30	57.11.4222	2.2k	5%	ANY
	R....31	57.11.4222	2.2k	5%	ANY

STUDER (20) 86/01/23 Sn DETECTOR 1.861.804.00 PAGE 4

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....32	57.11.4222	2.2k	5%	ANY
	R....33	57.11.4222	2.2k	5%	ANY
	R....34	57.11.4222	2.2k	5%	ANY
	R....35	57.11.4222	2.2k	5%	ANY
	R....36	57.11.4222	2.2k	5%	ANY
	R....37	57.11.4102	1.0k	5%	ANY
	R....38	57.11.4102	1.0k	5%	ANY
	R....39	57.11.4331	330	2%	ANY
	R....40	57.11.4121	120	2%	ANY
	R....41	57.11.4332	3.3k	2%	ANY
	R....42	57.11.4122	1.2k	2%	ANY
	R....43	57.11.4122	1.2k	2%	ANY
	R....44	57.11.4102	1.0k	5%	ANY
	R....45	57.11.4102	1.0k	5%	ANY
	R....46	57.11.4102	1.0k	5%	ANY
	R....48	57.11.4102	1.0k	5%	ANY
	R....50	57.11.4104	100k	5%	ANY
	TP....1	29.21.6002		TEST POINT	ANY
	TP....2	29.21.6002		TEST POINT	ANY
	XF....1	53.03.0142		CLAMP	ANY
	XF....2	53.03.0142		CLAMP	ANY
	XIC...1	53.03.0166		8-PIN	ANY
	XIC...2	53.03.0167		14-PIN	ANY
	XIC...3	53.03.0167		14-PIN	ANY
	XIC...4	53.03.0167		14-PIN	ANY
	XIC...5	53.03.0167		14-PIN	ANY
	XIC...6	53.03.0167		14-PIN	ANY
	XIC...7	53.03.0167		14-PIN	ANY
	XIC...8	53.03.0167		14-PIN	ANY
	XIC...9	53.03.0168		16-PIN	ANY
	XIC..10	53.03.0168		16-PIN	ANY
	XIC..11	53.03.0168		16-PIN	ANY
	XIC..12	53.03.0168		16-PIN	ANY
	XIC..13	53.03.0168		16-PIN	ANY

STUDER (20) 86/01/23 Sn OETECTOR 1.861.804.00 PAGE 5

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.45.4151	150p	10%, 30V, CER	ANY
	C.....2	59.45.4151	150p	10%, 30V, CER	ANY
	C.....3	59.45.4151	150p	10%, 30V, CER	ANY
	C.....4	59.45.4151	150p	10%, 30V, CER	ANY
	C.....5	59.45.4151	150p	10%, 30V, CER	ANY
	C.....6	59.45.4151	150p	10%, 30V, CER	ANY
	C.....7	59.45.4151	150p	10%, 30V, CER	ANY
	C.....8	59.45.4151	150p	10%, 30V, CER	ANY
	C....11	59.99.0205	68n	50%, CERAMIC	ANY
	C....12	59.99.0205	68n	50%, CERAMIC	ANY
	C....13	59.99.0205	68n	50%, CERAMIC	ANY
	C....14	59.99.0205	68n	50%, CERAMIC	ANY
	C....15	59.99.0205	68n	50%, CERAMIC	ANY
	C....16	59.99.0205	68n	50%, CERAMIC	ANY
	C....17	59.99.0205	68n	50%, CERAMIC	ANY
	C....18	59.99.0205	68n	50%, CERAMIC	ANY
	C....19	59.99.0205	68n	50%, CERAMIC	ANY
	C....20	59.99.0205	68n	50%, CERAMIC	ANY
	C....21	59.99.0205	68n	50%, CERAMIC	ANY
	C....22	59.99.0205	68n	50%, CERAMIC	ANY
	C....25	59.99.0205	68n	50%, CERAMIC	ANY
	C....26	59.99.0205	68n	50%, CERAMIC	ANY
	C....27	59.99.0205	68n	50%, CERAMIC	ANY
	C....28	59.99.0205	68n	50%, CERAMIC	ANY
	C....29	59.99.0205	68n	50%, CERAMIC	ANY
	C....30	59.99.0205	68n	50%, CERAMIC	ANY
	C....31	59.99.0205	68n	50%, CERAMIC	ANY
	C....32	59.99.0205	68n	50%, CERAMIC	ANY
	C....33	59.26.9109	1.0u	50%, 15V	ANY
	C....34	59.26.0470	47u	50%, GENERAL PURPOSE	ANY
	C....35	59.22.5470	47u	50%, ELECTROLYTIC	ANY
	C....36	59.22.5470	47u	50%, ELECTROLYTIC	ANY
	C....37	59.22.5470	47u	50%, ELECTROLYTIC	ANY
	C....38	59.26.9109	1.0u	50%, 10V	ANY
	C....42	59.99.0205	68n	50%, CERAMIC	ANY
	C....43	59.99.0205	68n	50%, CERAMIC	ANY
	C....45	59.99.0205	68n	50%, CERAMIC	ANY

STUDER (20) 86/01/23 Sn OETECTOR 1.861.804.00 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....46	59.99.0205	68n	50%, CERAMIC	ANY
	C....47	59.99.0205	68n	50%, CERAMIC	ANY
	C....48	59.99.0205	68n	50%, CERAMIC	ANY
	C....49	59.99.0205	68n	50%, CERAMIC	ANY
	C....50	59.99.0205	68n	50%, CERAMIC	ANY
	C....51	59.99.0205	68n	50%, CERAMIC	ANY
	C....54	59.99.0205	68n	50%, CERAMIC	ANY
	C....60	59.99.0205	68n	50%, CERAMIC	ANY
	C....61	59.99.0205	68n	50%, CERAMIC	ANY
	C....62	59.99.0205	68n	50%, CERAMIC	ANY
	C....63	59.99.0205	68n	50%, CERAMIC	ANY
	D.....1	50.04.1106	2.7 V	10%	ANY
	D.....2	50.04.1106	2.7 V	10%	ANY
	D.....3	50.04.1106	2.7 V	10%	ANY
	D.....4	50.04.1106	2.7 V	10%	ANY
	D.....5	50.04.1106	2.7 V	10%	ANY
	D.....6	50.04.1106	2.7 V	10%	ANY
	D.....7	50.04.1106	2.7 V	10%	ANY
	D.....8	50.04.1106	2.7 V	10%	ANY
	D.....9	50.04.1106	2.7 V	10%	ANY
	D....10	50.04.1106	2.7 V	10%	ANY
	D....11	50.04.1106	2.7 V	10%	ANY
	D....12	50.04.1106	2.7 V	10%	ANY
	D....13	50.04.1106	2.7 V	10%	ANY
	D....14	50.04.1106	2.7 V	10%	ANY
	D....15	50.04.1106	2.7 V	10%	ANY
	D....16	50.04.0512	1N 5818		ANY
	D....18	50.04.0512	1N 5818		ANY
	F.....1	51.01.0120		T2.0/250V, 5 * 20	ANY
	IC....1	50.09.0104	LF 347 N		ANY
	IC....2	50.09.0104	LF 347 N		ANY
	IC....3	50.05.0230	LM1414P		ANY
	IC....4	50.05.0230	LM1414P		ANY

STUDER (20) 86/01/23 Sn OETECTOR 1.861.804.00 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....5	50.05.0230	LM1414P		ANY
	IC....6	50.05.0230	LM1414P		ANY
	IC....7	50.17.0101	HI1-201HS		HA
	IC....8	50.17.0101	HI1-201HS		HA
	IC....9	50.06.0157		74 LS 157	ANY
	IC...10	50.06.0157		74 LS 157	ANY
	IC...11	50.15.0108		AM26 LS 31 PC	AMD
	IC...12	50.15.0108		AM26 LS 31 PC	AMD
	IC...13	50.10.0109		LM 337 LZ	ANY
	IC...14	50.15.0109		AM26 LS33 PC	AMD
	IC...15	50.06.0138		74 LS 138	ANY
	IC...16	50.06.0177		74 LS 377 N	ANY
	IC...18	50.06.0164		74 LS 164	ANY
	IC...19	50.15.0108		AM26 LS 31 PC	AMD
	IC...22	50.06.0377		74 LS 377 N	ANY
	IC...23	50.06.0377		74 LS 377 N	ANY
	IC...24	50.06.0166		74 LS 166	ANY
	IC...27	50.07.0002		AD 7524 JN	ANY
	IC...28	50.09.0103		TL 071 CP	ANY
	IC...29	50.18.0012		PAL 16 R R A-2 CN (186141520)	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L.....2	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L.....3	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L.....4	62.02.1222	2.2 mHy,	5%	St
	L.....5	62.02.1222	2.2 mHy,	5%	St
	L.....6	62.02.1222	2.2 mHy,	5%	St
	L.....7	62.02.1222	2.2 mHy,	5%	St
	L.....8	62.07.1222	2.2 mHy,	5%	St
	L.....9	62.02.1222	2.2 mHy,	5%	St
	L....10	62.02.1222	2.2 mHy,	5%	St
	L....11	62.02.1222	2.2 mHy,	5%	St
	MP....1	1.861.804.11	1 PCS	PCB	St
	MP....2	28.99.0119	1 PCS	RIVETING NUT, D2.590.15*10	ANY
	MP....3	28.99.0119	1 PCS	RIVETING NUT, D2.590.15*10	ANY
	MP....4	1.861.804.01	1 PCS	NAME PLATE	St

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC...14	53.03.0168		16-PIN	ANY
	XIC...15	53.03.0168		16-PIN	ANY
	XIC...16	53.03.0168		16-PIN	ANY
	XIC...17	53.03.0168		16-PIN	ANY
	XIC...18	53.03.0168		16-PIN	ANY
	XIC...19	53.03.0168		16-PIN	ANY
	XIC...22	53.03.0165		20-PIN	ANY
	XIC...23	53.03.0165		20-PIN	ANY
	XIC...24	53.03.0165		20-PIN	ANY

REMARKS:

MANUFACTURERS:
St = STUDER /

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES /
XIC = IC SOCKET

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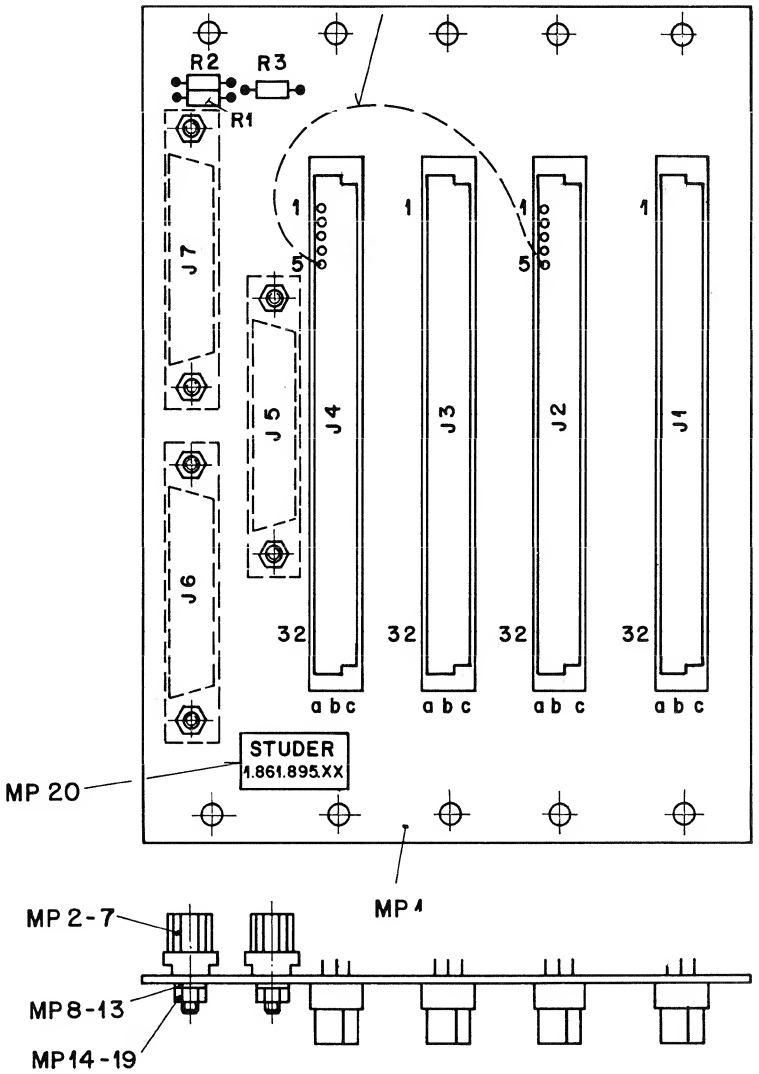
STUDER (20) 86/01/23 Sn OETECTOR 1.861.804.00 PAGE 6

PUBLISHED: 09/86

BACKPANEL CAGE 1.861.895.00 PAGE 1 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	J.....1	54.11.2011		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....2	54.11.2011		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....3	54.11.2011		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....4	54.11.2011		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....5	54.13.0043		D-SUB 25-PIN ACTION PIN	AMP
	J.....6	54.13.0043		D-SUB 25-PIN ACTION PIN	AMP
	J.....7	54.13.0043		D-SUB 25-PIN ACTION PIN	AMP
	MP....1	1.861.895.11		PCB	St
	MP....2	1.010.032.54		STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP....3	1.010.032.54		STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP....4	1.010.032.54		STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP....5	1.010.032.54		STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP....6	1.010.032.54		STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP....7	1.010.032.54		STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP....8	24.16.1030		LOCK WASHER	ANY
	MP....9	24.16.1030		LOCK WASHER	ANY
	MP...10	24.16.1030		LOCK WASHER	ANY
	MP...11	24.16.1030		LOCK WASHER	ANY
	MP...12	24.16.1030		LOCK WASHER	ANY
	MP...13	24.16.1030		LOCK WASHER	ANY
	MP...14	22.01.8030		NUT, M3	ANY
	MP...15	22.01.8030		NUT, M3	ANY
	MP...16	22.01.8030		NUT, M3	ANY
	MP...17	22.01.8030		NUT, M3	ANY
	MP...18	22.01.8030		NUT, M3	ANY
	MP...19	22.01.8030		NUT, M3	ANY
	MP...20	1.861.895.01		LABEL WITH BOARD-NO.	St
	R.....1	57.11.4151	150	20%	ANY
	R.....2	57.11.4151	150	20%	ANY
	R.....3	57.11.4151	150	20%	ANY
	W.....1	1.010.113.64		WRAP-TYPE	St

REMARKS:

MANUFACTURERS:
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XIC = IC SOCKET

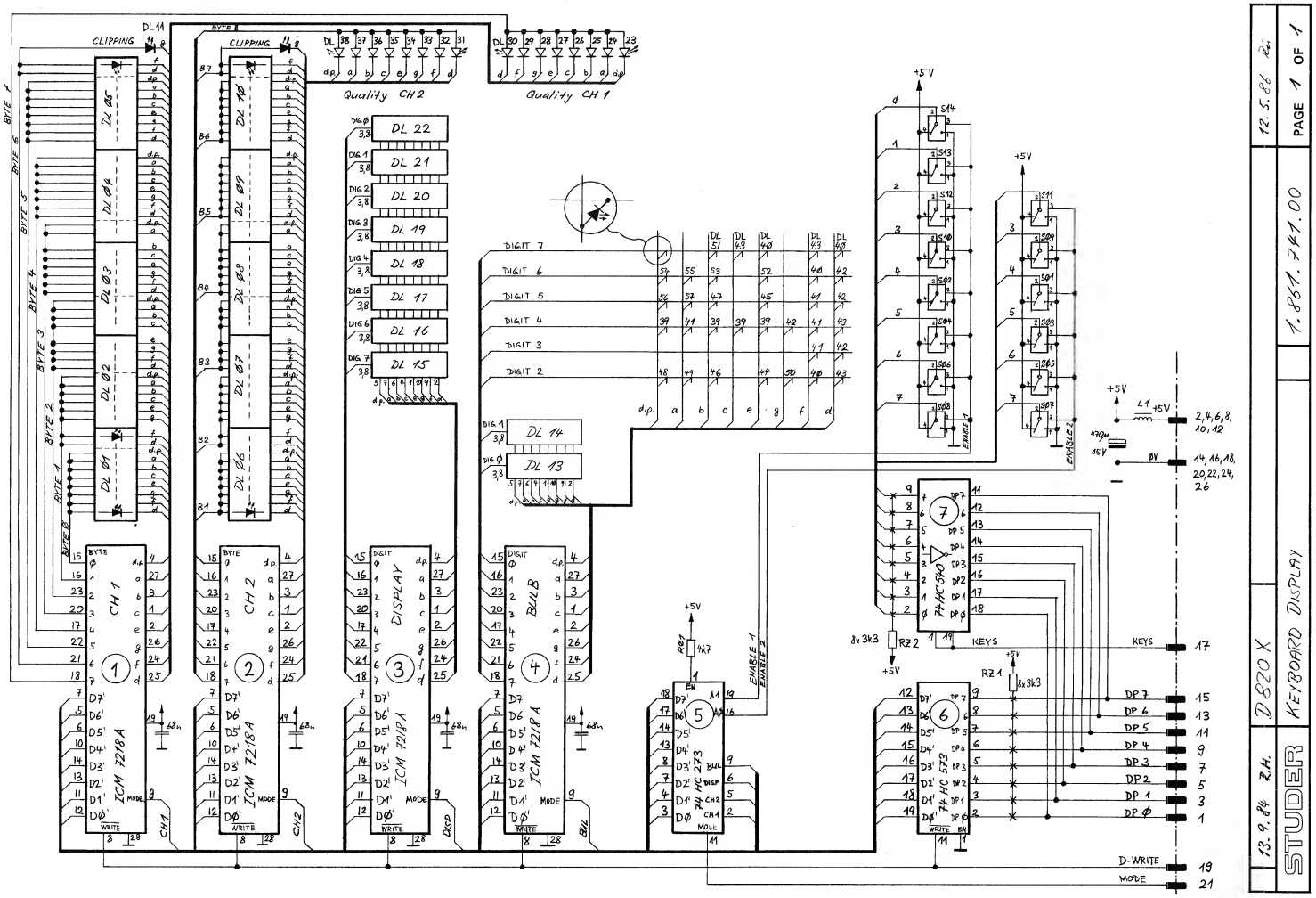
ORIG 86/01/20

PUBLISHED: 09/86

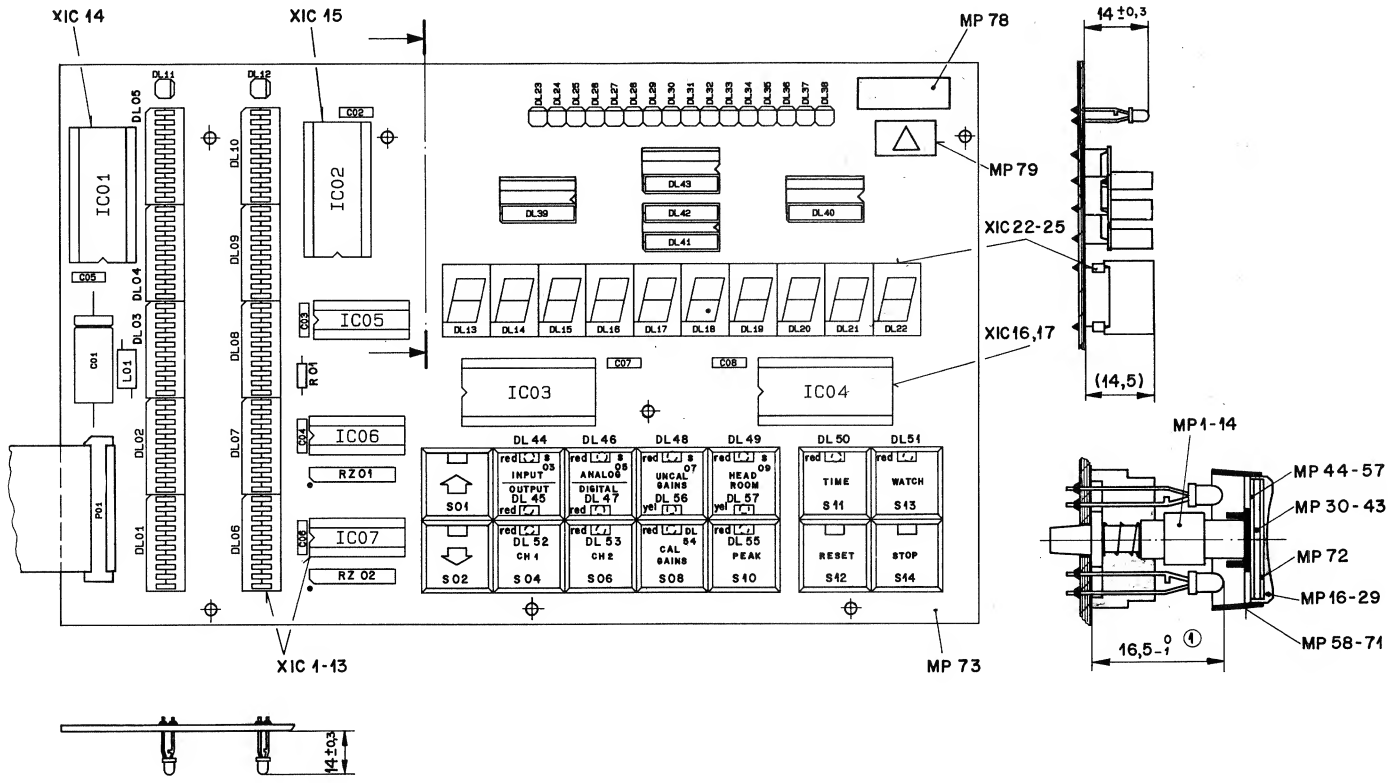
3. ASSEMBLY 3 PANELS

PUBLISHED: 12/86

KEYBOARD DISPLAY 1.861.741.00 PAGE 1



KEYBOARD DISPLAY 1.861.741.00 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...37	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP...38	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP...39	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP...40	55.03.0395	1 PCS	INLET FOR LABEL, GRY, 2 LED CUTOUTS	RAF
	MP...41	55.03.0395	1 PCS	INLET FOR LABEL, GRY, 2 LED CUTOUTS	RAF
	MP...42	55.03.0395	1 PCS	INLET FOR LABEL, GRY, 2 LED CUTOUTS	RAF
	MP...43	55.03.0395	1 PCS	INLET FOR LABEL, GRY, 2 LED CUTOUTS	RAF
	MP...44	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...45	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...46	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...47	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...48	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...49	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...50	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...51	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...52	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...53	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...54	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...55	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...56	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...57	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP...58	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...59	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...60	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...61	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...62	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...63	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...64	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...65	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...66	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...67	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...68	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...69	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...70	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...71	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP...72	1.861.741.01	1 PCS	SET OF LABELS, TRANSPARENT	St
	MP...73	1.861.741.11	1 PCS	PCB	St

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...74	1.611.010.01	1 PCS	WASHER	ANY
	MP...75	1.611.010.01	1 PCS	WASHER	ANY
	MP...76	1.611.010.01	1 PCS	WASHER	ANY
	MP...77	1.611.010.01	1 PCS	WASHER	ANY
(01)	MP...78	1.861.741.02		LABEL WITH STUDER NUMBER	St
(01)	MP...79	43.01.0108		LABEL "ESE"	St
	P.....1	1.023.112.02		FLATCABLE, 26-PIN, 0.10	ANY
	R.....1	57.11.4472	4.7k	10%	ANY
	RZ....1	57.88.4332	3.3k	8*SINGLE-IN-LINE	ANY
	RZ....2	57.88.4332	3.3k	8*SINGLE-IN-LINE	ANY
	S.....1	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....2	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....3	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....4	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....5	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....6	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....7	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....8	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....9	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....10	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....11	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....12	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....13	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....14	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	XIC....1	53.03.0165		20-PIN	ANY
	XIC....2	53.03.0165		20-PIN	ANY
	XIC....3	53.03.0165		20-PIN	ANY
	XIC....4	53.03.0165		20-PIN	ANY
	XIC....5	53.03.0165		20-PIN	ANY
	XIC....6	53.03.0165		20-PIN	ANY
	XIC....7	53.03.0165		20-PIN	ANY
	XIC....8	53.03.0165		20-PIN	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.25.5471	470u	20%, 10V, EL	ANY
	C.....2	59.99.0205	68n	20%, 100V, CER	ANY
	C.....3	59.99.0205	68n	20%, 100V, CER	ANY
	C.....4	59.99.0205	68n	20%, 100V, CER	ANY
	C.....5	59.99.0205	68n	20%, 100V, CER	ANY
	C.....6	59.99.0205	68n	20%, 100V, CER	ANY
	C.....7	59.99.0205	68n	20%, 100V, CER	ANY
	C.....8	59.99.0205	68n	20%, 100V, CER	ANY
(01)	DL....1	50.04.2150		BARGRAPH, 10 SEGMENTS	HP,GI
(01)	DL....2	50.04.2150		BARGRAPH, 10 SEGMENTS	HP,GI
(01)	DL....3	50.04.2150		BARGRAPH, 10 SEGMENTS	HP,GI
(01)	DL....4	50.04.2150		BARGRAPH, 10 SEGMENTS	HP,GI
(01)	DL....5	50.04.2150		BARGRAPH, 10 SEGMENTS	HP,GI
(01)	DL....6	50.04.2150		BARGRAPH, 10 SEGMENTS	HP,GI
(01)	DL....7	50.04.2150		BARGRAPH, 10 SEGMENTS	HP,GI
(01)	DL....8	50.04.2150		BARGRAPH, 10 SEGMENTS	HP,GI
(01)	DL....9	50.04.2150		BARGRAPH, 10 SEGMENTS	HP,GI
(01)	DL....10	50.04.2150		BARGRAPH, 10 SEGMENTS	HP,GI
	DL....11	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....12	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....13	73.01.0124		MAN 6660 DISP.	HP,GI
	DL....14	73.01.0124		MAN 6660 DISP.	HP,GI
	DL....15	73.01.0124		MAN 6660 DISP.	HP,GI
	DL....16	73.01.0124		MAN 6660 DISP.	HP,GI
	DL....17	73.01.0124		MAN 6660 DISP.	HP,GI
	DL....18	73.01.0124		MAN 6660 DISP.	HP,GI
	DL....19	73.01.0124		MAN 6660 DISP.	HP,GI
	DL....20	73.01.0124		MAN 6660 DISP.	HP,GI
	DL....21	73.01.0124		MAN 6660 DISP.	HP,GI
	DL....22	73.01.0124		MAN 6660 DISP.	HP,GI
	DL....23	50.04.2129		COV 11-7, RED, DIFFUSE	ANY
	DL....24	50.04.2129		COV 11-7, RED, DIFFUSE	ANY
	DL....25	50.04.2152		HLMP-1440, YELLOW	HP
	DL....26	50.04.2152		HLMP-1440, YELLOW	HP
	DL....27	50.04.2162		HLMP-1540, GREEN	HP
	DL....28	50.04.2162		HLMP-1540, GREEN	HP

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	DL....29	50.04.2162		HLMP-1540, GREEN	HP
	DL....30	50.04.2162		HLMP-1540, GREEN	HP
	DL....31	50.04.2162		HLMP-1540, GREEN	HP
	DL....32	50.04.2162		HLMP-1540, GREEN	HP
	DL....33	50.04.2162		HLMP-1540, GREEN	HP
	DL....34	50.04.2162		HLMP-1540, GREEN	HP
	DL....35	50.04.2152		HLMP-1440, YELLOW	HP
	DL....36	50.04.2152		HLMP-1440, YELLOW	HP
	DL....37	50.04.2129		COV 11-7, RED, DIFFUSE	ANY
	DL....38	50.04.2129		COV 11-7, RED, DIFFUSE	ANY
	DL....39	50.04.2153		HLMP 2350 RED	HP
	DL....40	50.04.2153		HLMP 2350 RED	HP
	DL....41	50.04.2153		HLMP 2350 RED	HP
	DL....42	50.04.2153		HLMP 2350 RED	HP
	DL....43	50.04.2153		HLMP 2350 RED	HP
	DL....44	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....45	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....46	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....47	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....48	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....49	50.04.2129		COV 11-7, RED, DIFEUS	ANY
	DL....50	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....51	50.04.2129		COV 11-7, RED, DIFEUS	ANY
	DL....52	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....53	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....54	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....55	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL....56	50.04.2152		HLMP 1440 YEL	HP
	DL....57	50.04.2152		HLMP 1440 YEL	HP
	IC.....1	50.07.0035		ICM 7218 AIJI	ANY
	IC.....2	50.07.0035		ICM 7218 AIJI	ANY
	IC.....3	50.07.0035		ICM 7218 AIJI	ANY
	IC.....4	50.07.0035		ICM 7218 AIJI	ANY
(01)	IC.....5	50.17.1273		74 HC 273	ANY
	IC.....6	50.17.1973		74 HC 573	ANY
	IC.....7	50.17.1540		74 HC 540	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	L.....1	62.01.0115		WIDE-BAND HF CHOKE	Ph
	MP....1	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....2	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....3	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....4	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....5	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....6	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....7	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....8	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....9	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....10	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....11	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....12	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....13	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....14	55.03.0262	1 PCS	SPACER EOR PUSH BUTTON	RAF
	MP....16	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAE
	MP....17	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....18	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....19	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....20	1.820.090.22	1 PCS	COVER EOR KEY TOP	RAF
	MP....21	1.820.090.22	1 PCS	COVER EOR KEY TOP	RAF
	MP....22	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....23	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....24	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....25	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....26	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....27	1.820.090.22	1 PCS	COVER EOR KEY TOP	RAF
	MP....28	1.820.090.22	1 PCS	COVER EOR KEY TOP	RAF
	MP....29	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....30	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....31	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....32	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....33	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....34	55.03.0385	1 PCS	INLET EOR LABEL, GRY	RAF
	MP....35	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....36	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC....9	53.03.0165		20-PIN	ANY
	XIC....10	53.03.0165		20-PIN	ANY
	XIC....11	53.03.0165		20-PIN	ANY
	XIC....12	53.03.0165		20-PIN	ANY
	XIC....13	53.03.0165		20-PIN	ANY
	XIC....14	53.03.0173		28-PIN	ANY
	XIC....15	53.03.0173		28-PIN	ANY
	XIC....16	53.03.0173		28-PIN	ANY
	XIC....17	53.03.0173		28-PIN	ANY
	XIC....18	53.03.0168		DIL 10-PIN	ANY
	XIC....19	53.03.0168		DIL 16-PIN	ANY
	XIC....20	53.03.0168		DIL 16-PIN	ANY
	XIC....21	53.03.0168		DIL 16-PIN	ANY
	XIC....22	53.03.0217		SINGLE LINE, 25 PIN	ANY
	XIC....23	53.03.0217		SINGLE LINE, 25 PIN	ANY
	XIC....24	53.03.0217		SINGLE LINE, 25 PIN	ANY
	XIC....25	53.03.0217		SINGLE LINE, 25 PIN	ANY

REMARKS:
XIC 23: 5-PIN SOCKET, TO BE CUT INTO TWO 2-PIN PEACES.
*01: MODIFICATIONS ACCORDING TO SAMPLE
MANUFACTURERS:
St = STUDER
Ph = PHILIPS
HP = HEWLETT-PACKARD
GI = GENERAL INSTRUMENT
RAF = RAFI

ABBREVIATIONS:
CER = CERAMIC / EL = ELECTROLYTIC / GRN = GREEN / YEL = YELLOW / RED = RED
XIC = IC SOCKET

ORIG 85/07/25 (01) 85/11/29

PUBLISHED: 09/86

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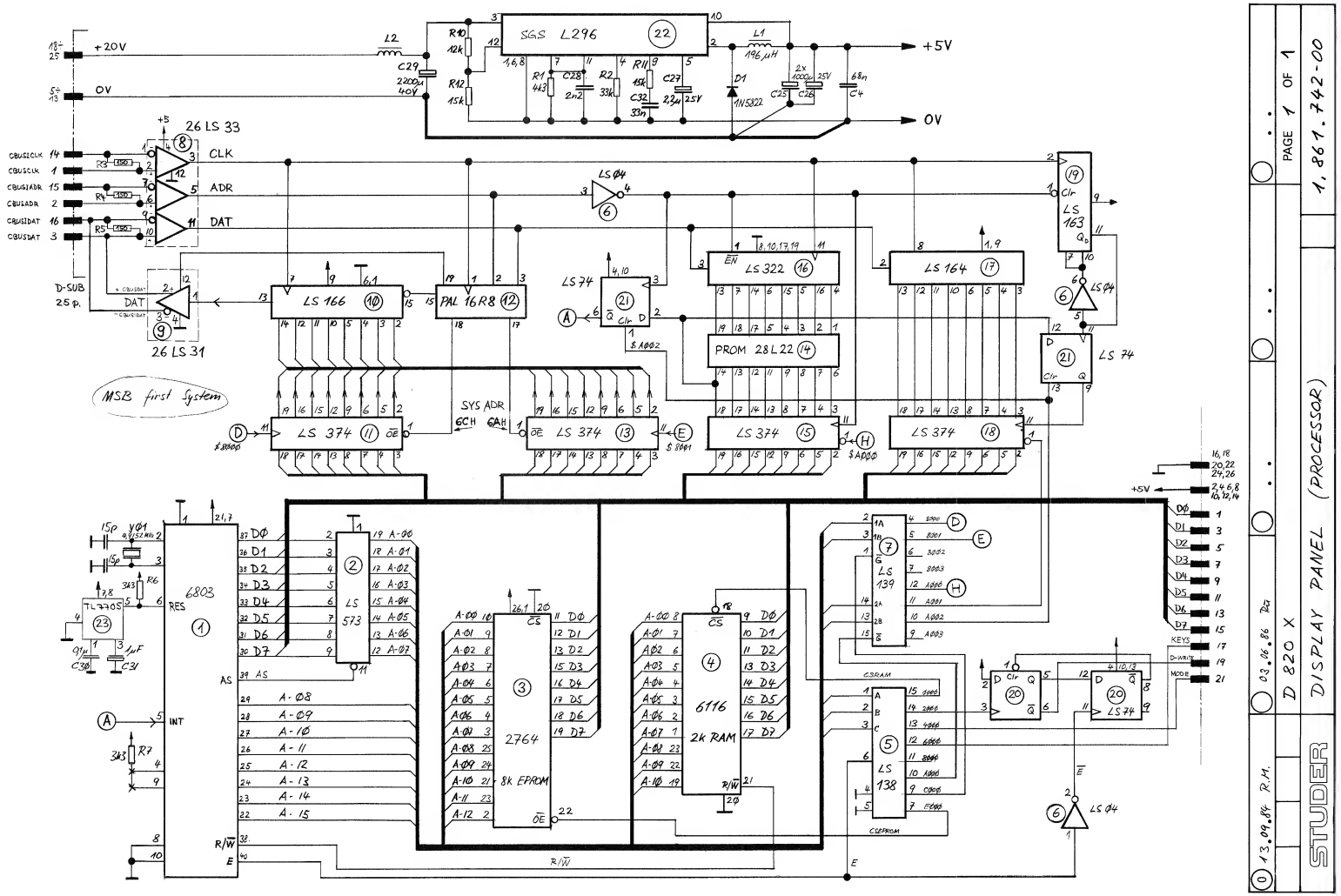

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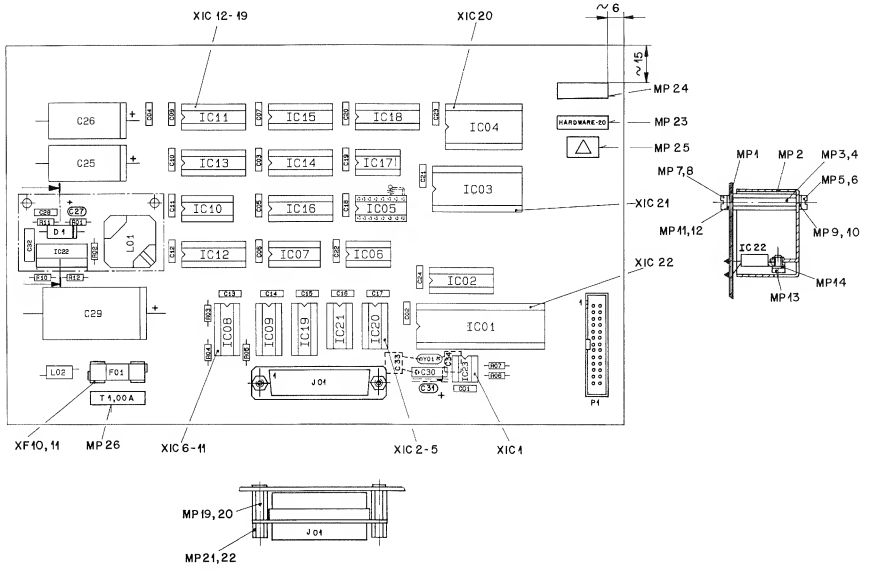

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Kopie für:

Nummer: 1.861.742-20

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.99.0205	68n	20%, 50V, CER	ANY
C.....2		59.99.0205	68n	20%, 50V, CER	ANY
C.....3		59.99.0205	68n	20%, 50V, CER	ANY
C.....4		59.99.0205	68n	20%, 50V, CER	ANY
C.....5		59.99.0205	68n	20%, 50V, CER	ANY
C.....6		59.99.0205	68n	20%, 50V, CER	ANY
C.....7		59.99.0205	68n	20%, 50V, CER	ANY
C.....9		59.99.0205	68n	20%, 50V, CER	ANY
C.....10		59.99.0205	68n	20%, 50V, CER	ANY
C.....11		59.99.0205	68n	20%, 50V, CER	ANY
C.....12		59.99.0205	68n	20%, 50V, CER	ANY
C.....13		59.99.0205	68n	20%, 50V, CER	ANY
C.....14		59.99.0205	68n	20%, 50V, CER	ANY
C.....15		59.99.0205	68n	20%, 50V, CER	ANY
C.....16		59.99.0205	68n	20%, 50V, CER	ANY
C.....17		59.99.0205	68n	20%, 50V, CER	ANY
C.....18		59.99.0205	68n	20%, 50V, CER	ANY
C.....19		59.99.0205	68n	20%, 50V, CER	ANY
C.....20		59.99.0205	68n	20%, 50V, CER	ANY
C.....21		59.99.0205	68n	20%, 50V, CER	ANY
C.....22		59.99.0205	68n	20%, 50V, CER	ANY
C.....23		59.99.0205	68n	20%, 50V, CER	ANY
C.....24		59.99.0205	68n	20%, 50V, CER	ANY
C.....25		59.25.4102	1000u	20%, 25V, EL	ANY
C.....26		59.25.4102	1000u	20%, 25V, EL	ANY
C.....27		59.26.5227	2.2u	20%, 40V, SAL	ANY
C.....28		59.06.0222	2.2n	20%, 50V, SAL	ANY
C.....29		59.25.5222	2200u	20%, 40V, EL	ANY
C.....30		59.02.2104	0.1u	20%, 50V, CER	ANY
C.....31		59.26.9109	1u	20%, 10V, EL	ANY
C.....32		59.02.5333	33n	20%, 63V, CER	ANY
C.....33		59.34.1150	15p	20%, 63V, CER	ANY
C.....34		59.34.1150	15p	20%, 63V, CER	ANY
D.....1		50.04.0519		1N 5822	ANY
F.....1		51.01.0117		SLOW BLOW, 1A	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
XIC...1		53.03.0166		DIL 8-PIN	ANY
XIC...2		53.03.0167		DIL 14-PIN	ANY
XIC...3		53.03.0167		DIL 14-PIN	ANY
XIC...4		53.03.0167		DIL 14-PIN	ANY
XIC...5		53.03.0167		DIL 14-PIN	ANY
XIC...6		53.03.0168		DIL 16-PIN	ANY
XIC...7		53.03.0168		DIL 16-PIN	ANY
XIC...8		53.03.0168		DIL 16-PIN	ANY
XIC...9		53.03.0168		DIL 16-PIN	ANY
XIC..10		53.03.0168		DIL 16-PIN	ANY
XIC..11		53.03.0168		DIL 16-PIN	ANY
XIC..12		53.03.0165		DIL 20-PIN	ANY
XIC..13		53.03.0165		DIL 20-PIN	ANY
XIC..14		53.03.0165		DIL 20-PIN	ANY
XIC..15		53.03.0165		DIL 20-PIN	ANY
XIC..16		53.03.0165		DIL 20-PIN	ANY
XIC..17		53.03.0165		DIL 20-PIN	ANY
XIC..18		53.03.0165		DIL 20-PIN	ANY
XIC..19		53.03.0165		DIL 20-PIN	ANY
XIC..20		53.03.0165		DIL 20-PIN	ANY
XIC..21		53.03.0173		DIL 28-PIN	ANY
XIC..22		53.03.0172		DIL 40-PIN	ANY

REMARKS:

MANUFACTURERS:
St = STUDER
Ph = PHILIPS
SGS = SGS

ABBREVIATIONS:
CER = CERAMIC / EL = ELECTROLYTIC / SAL = SOLID ALUMINIUM
XIC = IC SOCKET / X-TAL = QUARTZ

ORIG 85/09/12

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC.....1		50.16.0107		MC 6803P-1	ANY
IC.....2		50.06.0573		74 LS 573	ANY
IC.....3		50.14.0113		G 2764-3 (186140120)	ANY
IC.....4		50.14.0107		HM 6116 LP-4	ANY
IC.....5		50.06.0138		74 LS 138	ANY
IC.....6		50.06.0004		74 LS 04	ANY
IC.....7		50.06.0139		74 LS 139	ANY
IC.....8		50.15.0109		AM 26 LS 33 PC	ANY
IC.....9		50.15.0108		AM 26 LS 31 PC	ANY
IC....10		50.06.0166		74 LS 166	ANY
IC....11		50.06.0574		74 LS 374	ANY
IC....12		50.18.0012		PAL 16 R 8 A-2 CN (186140220)	ANY
IC....13		50.06.0574		74 LS 374	ANY
IC....14		50.14.0114		TBP 28L22N (186140020)	ANY
IC....15		50.06.0574		74 LS 374	ANY
IC....16		50.06.0322		74 LS 322	ANY
IC....17		50.06.0164		74 LS 164	ANY
IC....18		50.06.0574		74 LS 374	ANY
IC....19		50.06.0163		74 LS 163	ANY
IC....20		50.06.0074		74 LS 74	ANY
IC....21		50.06.0074		74 LS 74	ANY
IC....22		50.10.0110		L 296, VOLTAGE REGULATOR	SGS
IC....23		50.11.0122		TL 7705 ACP	ANY
J.....1		54.13.0033		D-SUB CONNECTOR 25-PIN, F, VERTICAL	ANY
L.....1		1.022.251.00	0.2mHy	FILTER COIL, SA	ANY
L.....2		62.01.0115		WIDE-BAND HF-CHOKE	Ph
MP....1		1.861.742.11	1 PCS	PCB	St
MP....2		1.861.742.01	1 PCS	SHIELD	St
MP....3		1.010.204.27	1 PCS	STAND-OFF, M2.5*25mm	ANY
MP....4		1.010.204.27	1 PCS	STAND-OFF, M2.5*25mm	ANY
MP....5		21.01.0278	1 PCS	SCREW, M2.5*5mm	ANY
MP....6		21.01.0278	1 PCS	SCREW, M2.5*5mm	ANY
MP....7		21.01.0278	1 PCS	SCREW, M2.5*5mm	ANY
MP....8		21.01.0278	1 PCS	SCREW, M2.5*5mm	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
MP....9		24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
MP....10		24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
MP....11		24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
MP....12		24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
MP....13		21.53.0394	1 PCS	SCREW, M3*6mm	ANY
MP....14		24.16.1030	1 PCS	LOCK WASHER, M3	ANY
MP....15		21.53.0394	1 PCS	SCREW, M3*6	ANY
MP....16		21.53.0394	1 PCS	SCREW, M3*6	ANY
MP....17		24.16.1030	1 PCS	LOCK WASHER, M3	ANY
MP....18		24.16.1030	1 PCS	LOCK WASHER, M3	ANY
MP....19		1.010.062.27	1 PCS	STAND-OFF, M3*11	ANY
MP....20		1.010.062.27	1 PCS	STAND-OFF, M3*11	ANY
MP....21		1.010.035.54	1 PCS	STAND-OFF WITH THREAD, LOCKING TYPE	ANY
MP....22		1.010.035.54	1 PCS	STAND-OFF WITH THREAD, LOCKING TYPE	ANY
MP....23		1.101.001.20	1 PCS	TEXT-LABEL, HARDWARE-20	St
MP....24		1.861.742.07	1 PCS	STUDER LABEL-NUMBER	St
MP....25		43.01.0108	1 PCS	ESE-WARNING LABEL	ST
MP....26		1.010.115.91	1 PCS	FUSE LABEL, 1A	ANY
P.....1		54.14.2003		FLAT CONNECTOR 26-PIN	ANY
R.....1		57.11.3432	4.3k	5%	ANY
R.....2		57.11.4333	33k	5%	ANY
R.....3		57.11.4151	150	5%	ANY
R.....4		57.11.4151	150	5%	ANY
R.....5		57.11.4151	150	5%	ANY
R.....6		57.11.4332	3.3k	5%	ANY
R.....7		57.11.4332	3.3k	5%	ANY
R.....10		57.11.4123	12k	5%	ANY
R.....11		57.11.4153	15k	5%	ANY
R.....12		57.11.4153	15k	5%	ANY
X.....1		89.01.0553		X-TAL, 4.9152MHz	ANY
XF....10		53.03.0142		CLAMP, 5*20MM	ANY
XF....11		53.03.0142		CLAMP, 5*20MM	ANY

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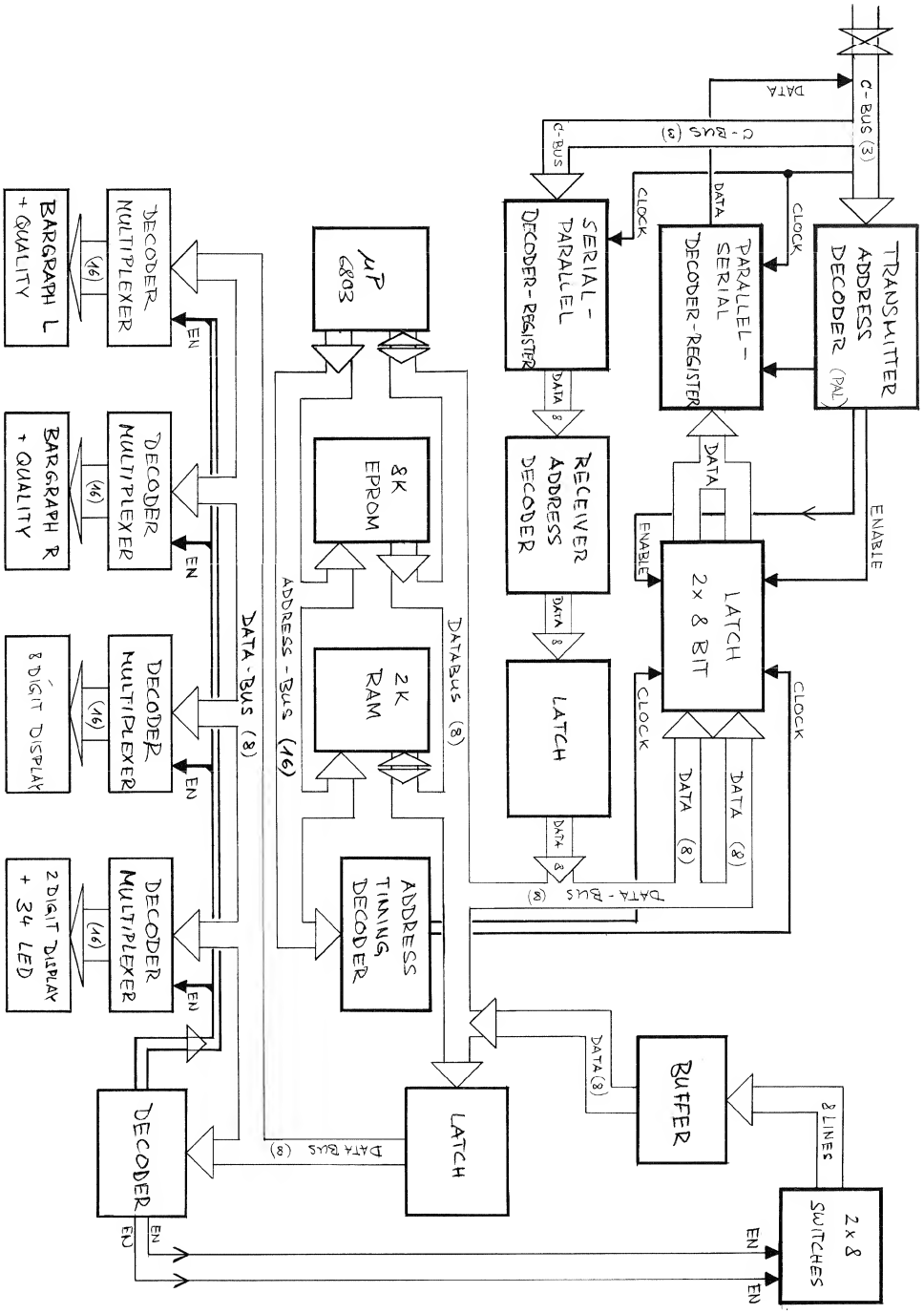

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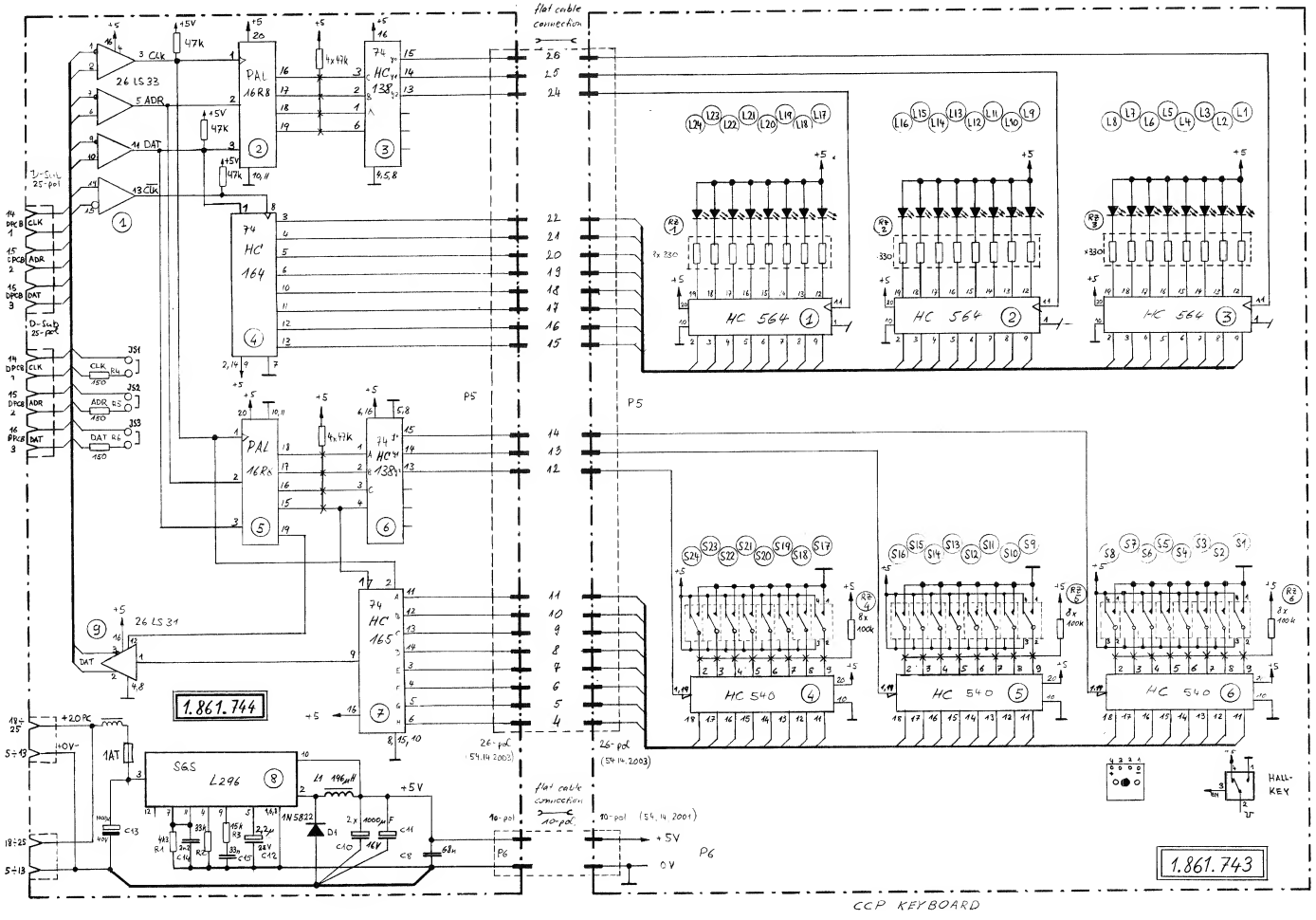

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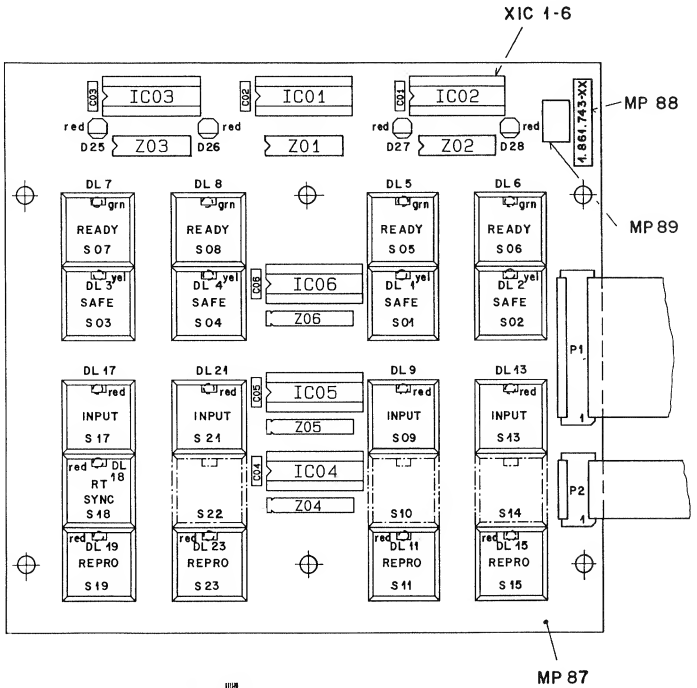

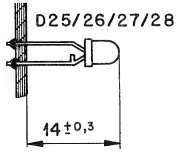

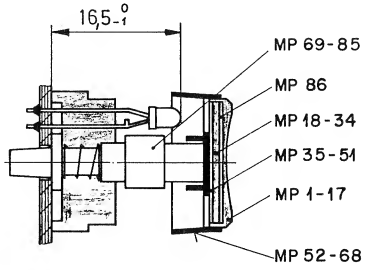

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29.11.85	A.Ho			2
16.9.85	A.Ho			1
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Ausgabe Datum	Gez	Gepr	Ges.	Index
Kopie für				
Nummer	1.861.743-00			

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.99.0205	68n	20% 63V CER	ANY
	C....2	59.99.0205	68n	20% 63V CER	ANY
	C....3	59.99.0205	68n	20% 63V CER	ANY
	C....4	59.99.0205	68n	20% 63V CER	ANY
	C....5	59.99.0205	68n	20% 63V CER	ANY
	C....6	59.99.0205	68n	20% 63V CER	ANY
	DL...1	50.04.2152		HLMP-1440 YELLOW	HP
	DL...2	50.04.2152		HLMP-1440 YELLOW	HP
	DL...3	50.04.2152		HLMP-1440 YELLOW	HP
	DL...4	50.04.2152		HLMP-1440 YELLOW	HP
	DL...5	50.04.2162		HLMP-1540 GREEN	HP
	DL...6	50.04.2162		HLMP-1540 GREEN	HP
	DL...7	50.04.2162		HLMP-1540 GREEN	HP
	DL...8	50.04.2162		HLMP-1540 GREEN	HP
	DL...9	50.04.2129		CQV 11-7, RED, DIFFUS	ANY
	DL...11	50.04.2129		CQV 11-7, RED, DIFFUS	ANY
	DL...13	50.04.2129		CQV 11-7, RED, DIFFUS	ANY
	DL...15	50.04.2129		CQV 11-7, RED, DIFFUS	ANY
	DL...17	50.04.2129		CQV 11-7, RED, DIFFUS	ANY
	DL...18	50.04.2129		CQV 11-7, RED, DIFFUS	ANY
	DL...19	50.04.2129		CQV 11-7, RED, DIFFUS	ANY
	DL...21	50.04.2129		CQV 11-7, RED, DIFFUS	ANY
	DL...23	50.04.2129		CQV 11-7, RED, DIFFUS	ANY
	DL...25	50.04.2129		CQV 11-7, RED, DIFFUS	ANY
	DL...26	50.04.2129		CQV 11-7, RED, DIFEUS	ANY
	DL...27	50.04.2129		CQV 11-7, RED, DIFEUS	ANY
	DL...28	50.04.2129		CQV 11-7, RED, DIFEUS	ANY
	IC....1	50.06.0564		74 LS 564	ANY
	IC....2	50.06.0564		74 LS 564	ANY
	IC....3	50.06.0564		74 LS 564	ANY
	IC....4	50.06.0540		74 LS 540	ANY
	IC....5	50.06.0540		74 LS 540	ANY
	IC....6	50.06.0540		74 LS 540	ANY
	MP....1	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF

S T U D E R (02) 86/09/08 Sn CCP KEYBOARD 1.861.743.00 PAGE 1

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....2	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....3	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....4	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....5	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....6	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....7	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....8	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....9	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....10	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....11	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....12	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....13	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....14	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....15	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....16	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....17	1.820.090.22	1 PCS	COVER FOR KEY TOP	RAF
	MP....18	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....19	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....20	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....21	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....22	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....23	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....24	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....25	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....26	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....27	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....28	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....29	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....30	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....31	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....32	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....33	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....34	55.03.0385	1 PCS	INLET FOR LABEL, GRY	RAF
	MP....35	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....36	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....37	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....38	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF

S T U D E R (02) 86/09/08 Sn CCP KEYBOARD 1.861.743.00 PAGE 2

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....39	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....40	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....41	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....42	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....43	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....44	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....45	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....46	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....47	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....48	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....49	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....50	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....51	55.03.0351	1 PCS	DIFFUSOR, OPAL	RAF
	MP....52	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....53	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....54	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....55	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....56	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....57	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....58	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....59	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....60	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....61	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....62	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....63	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....64	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....65	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....66	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....67	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....68	55.03.0363	1 PCS	KEY TOP, GRY	RAF
	MP....69	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....70	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....71	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....72	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....73	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....74	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....75	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF

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INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....76	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....77	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....78	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....79	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....80	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....81	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....82	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....83	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....84	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....85	55.03.0262	1 PCS	SPACER FOR PUSH BUTTON	RAF
	MP....86	1.861.743.01	1 PCS	SET OF LABELS, TRANSPARENT	St
	MP....87	1.861.743.11	1 PCS	PCB	St
(01)	MP....88	1.861.743.07		LABEL WITH STUDER NUMBER	St
(01)	MP....89	43.01.0108		LABEL "ESE"	ANY
	P....1	1.023.112.02		FLATCABLE, 26-PIN, 0.1	ANY
	P....2	1.023.110.01		FLATCABLE, 10-PIN, 0.1	ANY
	RZ....1	57.88.3331	8*330	5%, DIL16	ANY
	RZ....2	57.88.3331	8*330	5%, DIL16	ANY
	RZ....3	57.88.3331	8*330	5%, DIL16	ANY
	RZ....4	57.88.4104	8*100K	5%, SINGLE IN LINE	ANY
	RZ....5	57.88.4104	8*100K	5%, SINGLE IN LINE	ANY
	RZ....6	57.88.4104	8*100K	5%, SINGLE IN LINE	ANY
	S....1	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....2	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....3	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....4	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....5	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....6	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....7	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....8	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....9	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....11	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....13	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....15	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF

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INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	S....17	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....18	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....19	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....21	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S....23	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	XIC...1	53.03.0165		20-PIN	ANY
	XIC...2	53.03.0165		20-PIN	ANY
	XIC...3	53.03.0165		20-PIN	ANY
	XIC...4	53.03.0165		20-PIN	ANY
	XIC...5	53.03.0165		20-PIN	ANY
	XIC...6	53.03.0165		20-PIN	ANY
(00)	XIC...7	53.03.0168		16-PIN	ANY
(02)	XIC...7				RAF
(00)	XIC...8	53.03.0168		16-PIN	ANY
(02)	XIC...8				RAF
(00)	XIC...9	53.03.0168		16-PIN	ANY
(02)	XIC...9				RAF

REMARKS: MOD 01: MODIFICATIONS ACCORDING TO SAMPLE
MOD 02: ACCORDING TO PRODUCTION REQUIREMENTS

MANUFACTURERS:
St = STUDER
HP = HEWLETT-PACKARD
RAF = RAFI

ABBREVIATIONS:
CER = CERAMIC
XIC = IC SOCKET

ORIG 85/07/24 (01) 85/11/29 (02) 86/09/08

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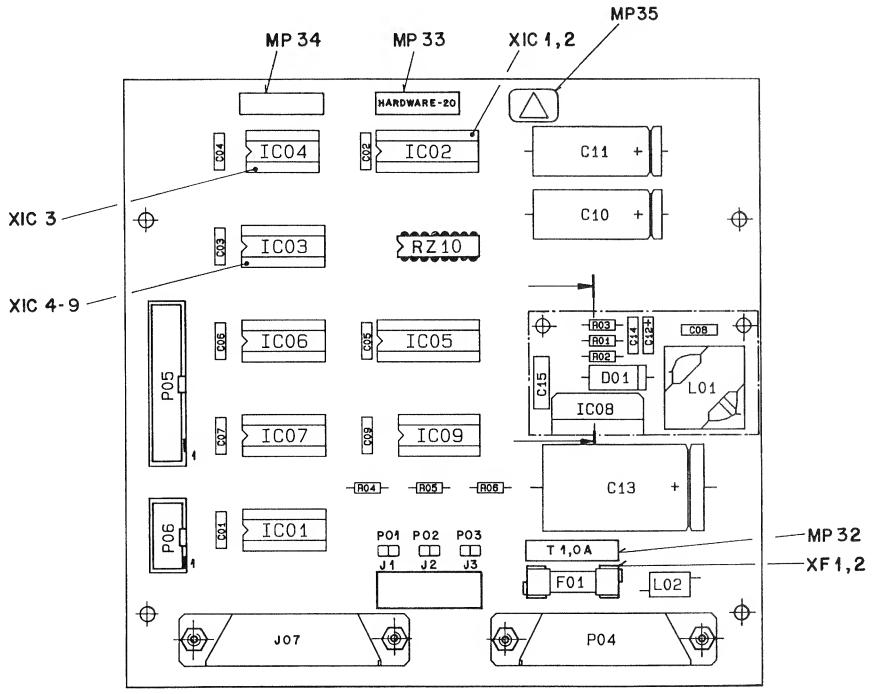
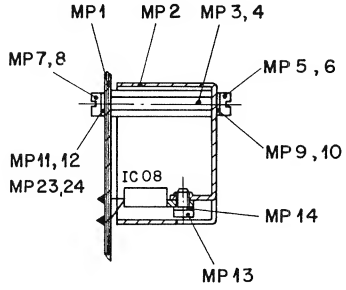
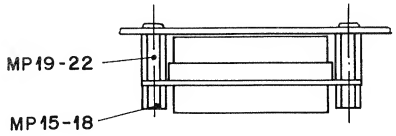
PUBLISHED: 12/86

(CCP KEYBOARD 1.861.743.00) / CCP TRANSCEIVER 1.861.744.00 PAGE 3







Änderung	7.10.86				1
Ausgabe	25.9.85	A.Ho			0
	Datum	Gez.	Gepr.	Ges.	Index

Kopie für:

24. NOV 1986

Nummer: 1.861.744-20

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...1	1.861.744.11	1 PCS	PCB	St
	MP...2	1.861.742.01	1 PCS	SHIELD	St
	MP...3	1.010.204.27	1 PCS	STAND-OFF, M2.5*25mm	ANY
	MP...4	1.010.204.27	1 PCS	STAND-OFF, M2.5*25mm	ANY
	MP...5	21.01.0278	1 PCS	SCREW, M2*5mm	ANY
	MP...6	21.01.0278	1 PCS	SCREW, M2*5mm	ANY
	MP...7	21.01.0278	1 PCS	SCREW, M2*5mm	ANY
	MP...8	21.01.0278	1 PCS	SCREW, M2*5mm	ANY
	MP...9	24.16.1025	1 PCS	FIN WASHER, M2.5	ANY
	MP...10	24.16.1025	1 PCS	FIN WASHER, M2.5	ANY
	MP...11	24.16.1025	1 PCS	FIN WASHER, M2.5	ANY
	MP...12	24.16.1025	1 PCS	FIN WASHER, M2.5	ANY
	MP...13	21.51.8354	1 PCS	SCREW, M3*6mm	ANY
	MP...14	24.16.1030	1 PCS	FIN WASHER, ID=3.2	ANY
	MP...15	1.010.035.54	1 PCS	STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP...16	1.010.035.54	1 PCS	STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP...17	1.010.035.54	1 PCS	STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP...18	1.010.035.54	1 PCS	STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP...19	1.010.021.22	1 PCS	STAND-OFF, M3*10.5mm, RIVETING TYPE	St
	MP...20	1.010.021.22	1 PCS	STAND-OFF, M3*10.5mm, RIVETING TYPE	St
	MP...21	1.010.021.22	1 PCS	STAND-OFF, M3*10.5mm, RIVETING TYPE	St
	MP...22	1.010.021.22	1 PCS	STAND-OFF, M3*10.5mm, RIVETING TYPE	St
	MP...23	23.01.2027	1 PCS	WASHER, M2.5mm	ANY
	MP...24	23.01.2027	1 PCS	WASHER, M2.5mm	ANY
	MP...25	21.53.8354	1 PCS	SCREW, FLR-TYPE, M3*6mm	ANY
	MP...27	21.53.0354	1 PCS	SCREW, CYLIN. HEAD, M3*6mm	ANY
	MP...32	1.010.119.51	1 PCS	FUSE-LABEL 1A	St
	MP...33	1.101.001.20	1 PCS	LABEL HARDWARE-20	St
	MP...34	1.861.744.01	1 PCS	STUDER NUMBER LABEL	St
	MP...35	43.01.0108	1 PCS	LABEL "ESE"	St
	P...1	54.01.0020		SINGLE CONTACT PIN STRING (**)	ANY
	P...2	54.01.0020		SINGLE CONTACT PIN STRING (**)	ANY
	P...3	54.01.0020		SINGLE CONTACT PIN STRING (**)	ANY
	P...4	54.01.0020		SINGLE CONTACT PIN STRING (**)	ANY
	P...5	54.01.0020		SINGLE CONTACT PIN STRING (**)	ANY
	P...6	54.01.0020		SINGLE CONTACT PIN STRING (**)	ANY

STUDER (20) 86/09/08 01 CCP TRANSCEIVER 1.861.744.00 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	P...7	54.13.0023		DSUB25, VERTICAL, MALE	ANY
	P...8	54.14.2003		FLATCABLE-CONNECTOR, 26, MALE	ANY
	P...9	54.14.2001		FLATCABLE-CONNECTOR, 10, MALE	ANY
	R...1	57.11.3432	4.3k	5%	ANY
	R...2	57.11.4333	33k	5%	ANY
	R...3	57.11.4153	15k	5%	ANY
	R...4	57.11.4151	150	5%	ANY
	R...5	57.11.4151	150	5%	ANY
	R...6	57.11.4151	150	5%	ANY
	RZ...10	57.85.3472	15*4.7k	5%, 01L16	ANY
	XF...1	53.03.0142		CLAMP, 5*20mm	ANY
	XF...2	53.03.0142		CLAMP, 5*20mm	ANY
	XIC...1	53.03.0168		16-PIN	ANY
	XIC...2	53.03.0165		20-PIN	ANY
	XIC...3	53.03.0168		16-PIN	ANY
	XIC...4	53.03.0167		14-PIN	ANY
	XIC...5	53.03.0165		20-PIN	ANY
	XIC...6	53.03.0168		16-PIN	ANY
	XIC...7	53.03.0168		16-PIN	ANY
	XIC...8	53.03.0168		16-PIN	ANY
(00)	XIC...9	53.03.0168		16-PIN	ANY
(01)	XIC...9				

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C...1	59.99.0205	68n	20%, 30V, CER	ANY
	C...2	59.99.0205	68n	20%, 30V, CER	ANY
	C...3	59.99.0205	68n	20%, 30V, CER	ANY
	C...4	59.99.0205	68n	20%, 30V, CER	ANY
	C...5	59.99.0205	68n	20%, 30V, CER	ANY
	C...6	59.99.0205	68n	20%, 30V, CER	ANY
	C...7	59.99.0205	68n	20%, 30V, CER	ANY
	C...8	59.99.0205	68n	20%, 30V, CER	ANY
	C...9	59.99.0205	68n	20%, 30V, CER	ANY
	C...10	59.25.3102	1000u	20%, 10V, EL	ANY
	C...11	59.25.3102	1000u	20%, 10V, EL	ANY
	C...12	59.26.5229	2.2u	20%, 15V, SAL	ANY
	C...13	59.25.5222	2200u	20%, 30V, EL	ANY
	C...14	59.06.0222	2200p	20%, 50V, CER	ANY
	C...15	59.02.5333	33n	20%, 50V, CER	ANY
	D...1	50.04.0519	LN 5822		ANY
	F...1	51.01.0117		SLOW BLOW, 1AT	ANY
	IC...1	50.15.0109		AM26 LS33 PC,*0526 LS33 CN	ANY
	IC...2	50.18.0012		PAL 16 R 8 A-2 CN (186140520)	ANY
	IC...3	50.17.1138		74 HC 138	ANY
	IC...4	50.17.1164		74 HC 164	ANY
	IC...5	50.18.0012		PAL 16 R 6 A-2 CN (186140620)	ANY
	IC...6	50.17.1138		74 HC 138	ANY
	IC...7	50.17.1165		74 HC 165	ANY
	IC...8	50.10.0110	L 296	VOLTAGE REGULATOR	SGS
	IC...9	50.15.0108		AM26 LS 31 PC,AM26 LS31 CN	ANY
	J...1	54.01.0021		JUMPER CONNECTOR	ANY
	J...2	54.01.0021		JUMPER CONNECTUR	ANY
	J...3	54.01.0021		JUMPER CONNECTOR	ANY
	J...7	54.13.0033		DSUB25, VERTICAL, FEMALE	ANY
	L...1	1.022.251.00	0.2mHy	FILTER COIL, 5 A	St
	L...2	62.01.0115		WIDE-BAND HF-CHOKE	Ph

STUDER (20) 86/09/08 01 CCP TRANSCEIVER 1.861.744.00 PAGE 1

REMARKS: (**) = TWO CONTACT-PINS PRO STRING
M00 01: ACCORDING TO PRODUCTION REQUIREMENTS

MANUFACTURERS:
St = STUDER
Ph = PHILIPS
SGS = SGS

ABBREVIATIONS:
CER = CERAMIC / EL = ELECTROLYTIC / SAL = SOLID ALUMINIUM
XIC = IC SOCKET

ORIG 85/09/12 (20) 86/09/08

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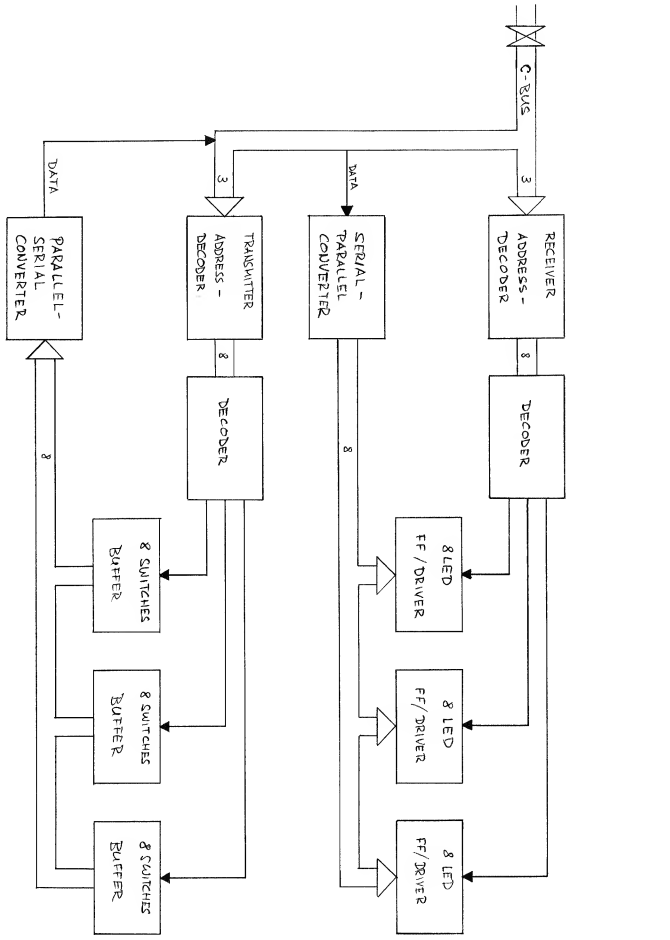
CCP KEYBOARD 1.861.743.00 / CCP TRANSCEIVER 1.861.744.00 PAGE 4 (LAST)



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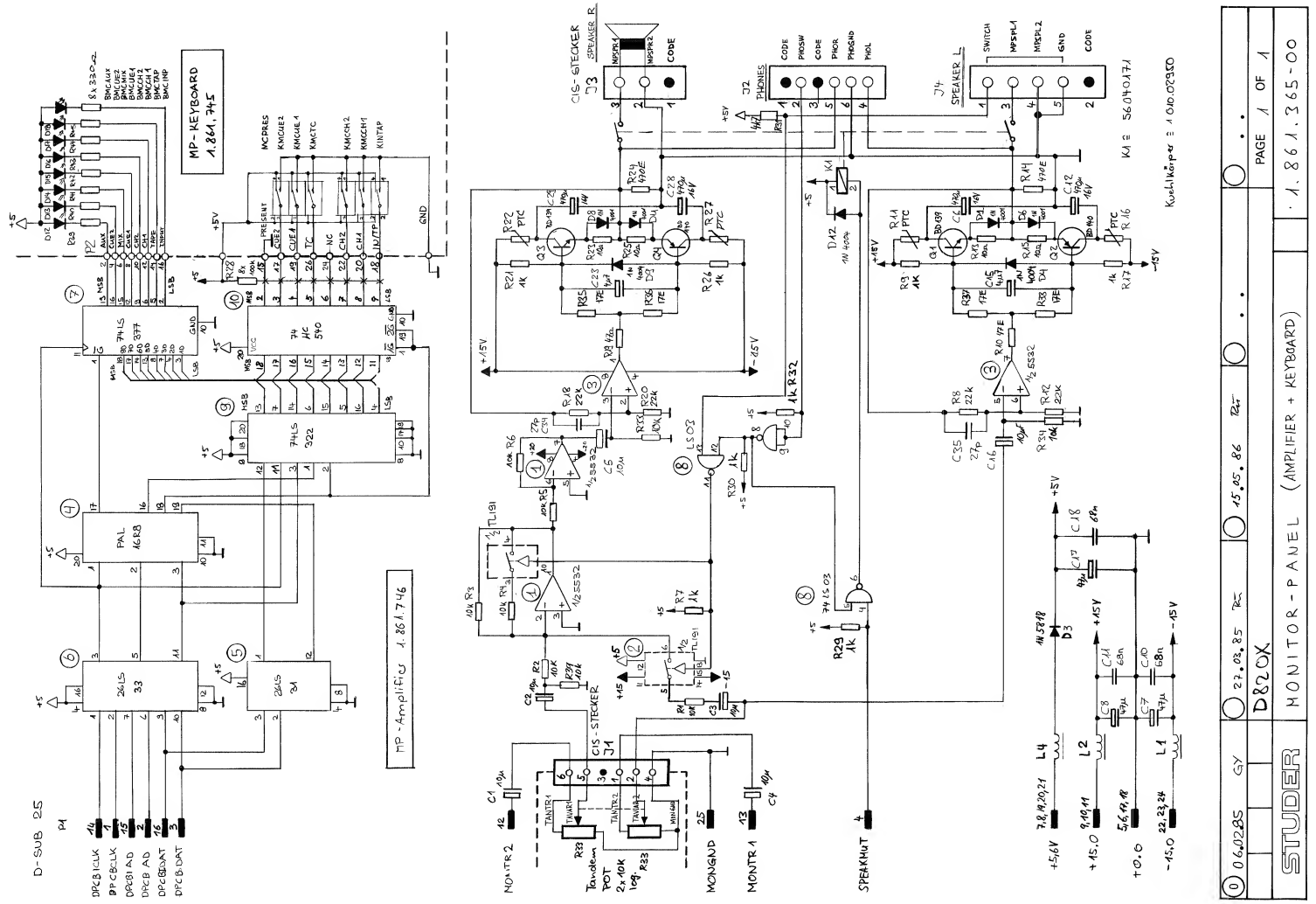
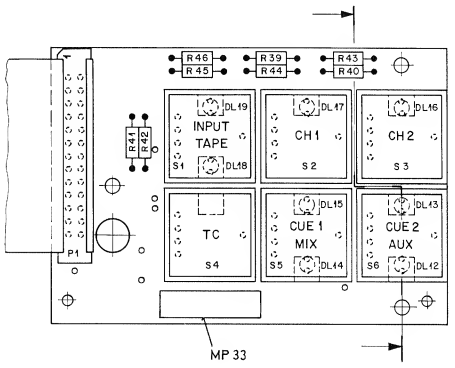
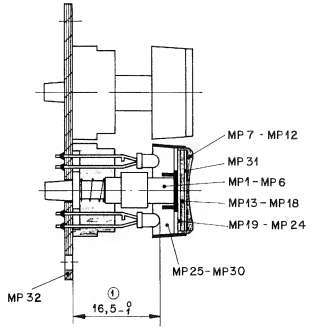
PUBLISHED: 12/86

MP-KEYBOARD 1.861.745.00 / MP-AMPLIFIER 1.861.746.00 PAGE 1



MP-KEYBOARD 1.861.745.00 / (MP-AMPLIFIER 1.861.746.00) PAGE 2





IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	DL...12	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL...13	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL...14	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL...15	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL...16	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL...17	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL...18	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	DL...19	50.04.2129		COV 11-7, RED, DIFFUS	ANY
	MP....1	55.03.0262		SPACER FOR PUSH BUTTON	RAF
	MP....2	55.03.0262		SPACER FOR PUSH BUTTON	RAF
	MP....3	55.03.0262		SPACER FOR PUSH BUTTON	RAF
	MP....4	55.03.0262		SPACER FOR PUSH BUTTON	RAF
	MP....5	55.03.0262		SPACER FOR PUSH BUTTON	RAF
	MP....6	55.03.0262		SPACER FOR PUSH BUTTON	RAF
	MP....7	1.820.090.22		COVER FOR KEY TOP	RAF
	MP....8	1.820.090.22		COVER FOR KEY TOP	RAF
	MP....9	1.820.090.22		COVER FOR KEY TOP	RAF
	MP...10	1.820.090.22		COVER FOR KEY TOP	RAF
	MP...11	1.820.090.22		COVER FOR KEY TOP	RAF
	MP...12	1.820.090.22		COVER FOR KEY TOP	RAF
	MP...13	55.03.0385		INLET FOR LABEL, GRY	RAF
	MP...14	55.03.0385		INLET FOR LABEL, GRY	RAF
	MP...15	55.03.0385		INLET FOR LABEL, GRY	RAF
	MP...16	55.03.0395		INLET FOR LABEL, GRY	RAF
	MP...17	55.03.0395		INLET FOR LABEL, GRY	RAF
	MP...18	55.03.0395		INLET FOR LABEL, GRY	RAF
	MP...19	55.03.0351		DIFFUSOR, OPAL	RAF
	MP...20	55.03.0351		DIFFUSOR, OPAL	RAF
	MP...21	55.03.0351		DIFFUSOR, OPAL	RAF
	MP...22	55.03.0351		DIFFUSOR, OPAL	RAF
	MP...23	55.03.0351		DIFFUSOR, OPAL	RAF
	MP...24	55.03.0351		DIFFUSOR, OPAL	RAF
	MP...25	55.03.0363		KEY TOP, GRY	RAF
	MP...26	55.03.0363		KEY TOP, GRY	RAF
	MP...27	55.03.0363		KEY TOP, GRY	RAF
	MP...28	55.03.0363		KEY TOP, GRY	RAF

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...29	55.03.0363		KEY TOP, GRY	RAF
	MP...30	55.03.0363		KEY TOP, GRY	RAF
	MP...31	1.861.745.01		SET OF LABELS, TRANSPARENT	St
	MP...32	1.861.745.11		PCB	St
	P.....1	1.023.112.02		FLATCABLE, 26-PIN, 0.10	St
	R....39	57.11.4331	330	5%	ANY
	R....40	57.11.4331	330	5%	ANY
	R....41	57.11.4331	330	5%	ANY
	R....42	57.11.4331	330	5%	ANY
	R....43	57.11.4331	330	5%	ANY
	R....44	57.11.4331	330	5%	ANY
	R....45	57.11.4331	330	5%	ANY
	R....46	57.11.4331	330	5%	ANY
	S.....1	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....2	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....3	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....4	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....5	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF
	S.....6	55.03.0261		MAIN BODY, SPST, OPEN COLLECTOR	RAF

REMARKS:

MANUFACTURERS:
St = STUDER
RAF = RAFI

ABBREVIATIONS:

DRIG 85/07/24

Änderung	8.10.85					③
	29.11.85	A.Ho				②
Ausgabe	22.8.85					①
	Datum	Gez.	Gepr	Ges.	Index	⓪

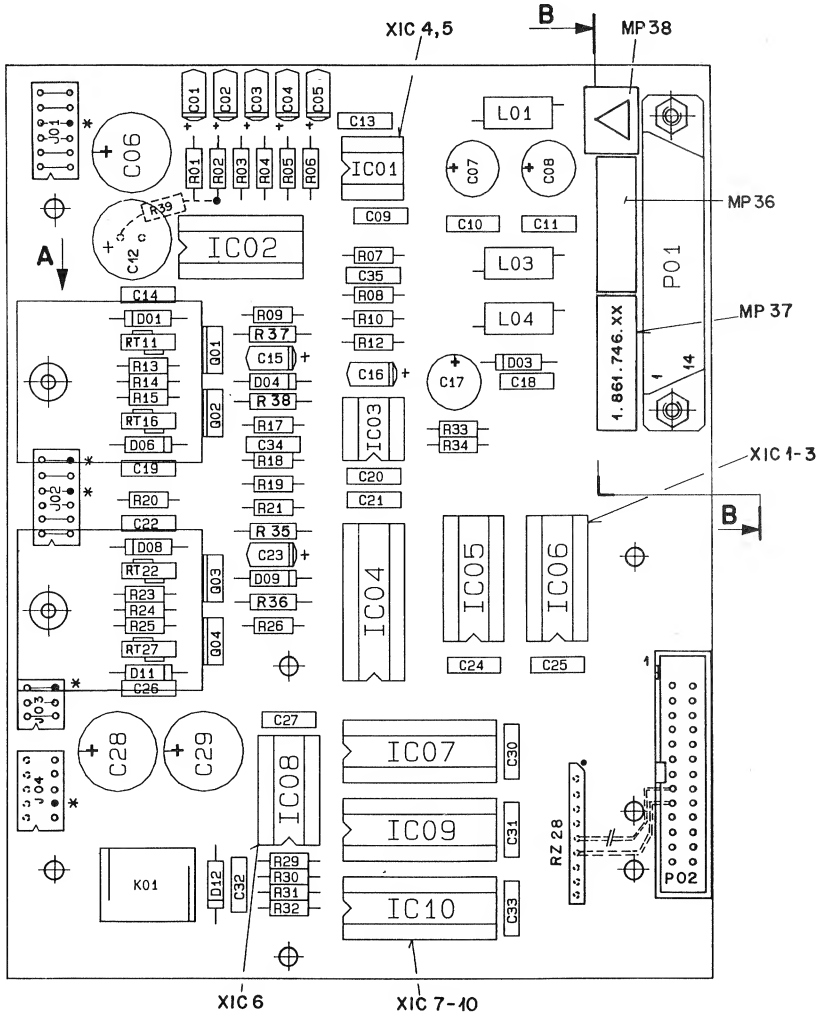
Kopie für:

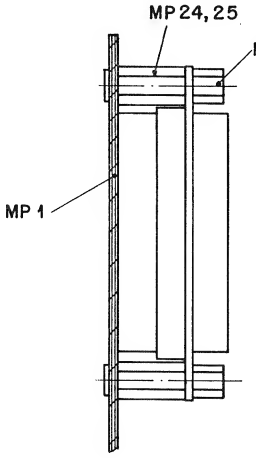
24. NOV. 1986

Nummer: 1.861.745-00

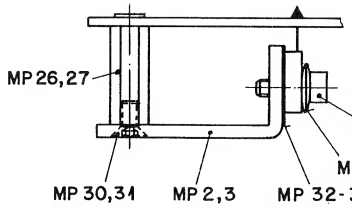
PUBLISHED: 12/86

(MP-KEYBOARD 1.861.745.00) / MP-AMPLIFIER 1.861.746.00 PAGE 3





Schnitt B-B



Ansicht A

Änderung					
Ausgabe	22.10.86	FR		●	⓪
	Datum	Gez	Gepr	Ges.	Index

Kopie für:

24. NOV. 1986

Nummer: 1.861.746-20

(MP-KEYBOARD 1.861.745.00) / MP-AMPLIFIER 1.861.746.00 PAGE 4 (LAST)

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.26.2100	10u	20%, 15V , SOL10 ALU	ANY
	C....2	59.26.2100	10u	20%, 15V , SOL10 ALU	ANY
	C....3	59.26.2100	10u	20%, 15V , SOL10 ALU	ANY
	C....4	59.26.2100	10u	20%, 15V , SOL10 ALU	ANY
	C....5	59.26.2100	10u	20%, 15V , SOL10 ALU	ANY
	C....6	59.22.4471	470u	20%, 16V , EL	ANY
	C....7	59.22.5470	47u	20%, 25V , EL	ANY
	C....8	59.22.5470	47u	20%, 25V , EL	ANY
	C....9	59.99.0205	68n	20%, 63V , CER	ANY
	C....10	59.99.0205	68n	20%, 63V , CER	ANY
	C....11	59.99.0205	68n	20%, 63V , CER	ANY
	C....12	59.22.4471	470u	20%, 16V , EL	ANY
	C....13	59.99.0205	68n	20%, 63V , CER	ANY
	C....14	59.99.0205	68n	20%, 63V , CER	ANY
	C....15	59.26.5479	4.7u	20%, 25V , SAL	ANY
	C....16	59.26.2100	10u	20%, 15V , SOL10 ALU	ANY
	C....17	59.22.5470	47u	20%, 25V , EL	ANY
	C....18	59.99.0205	68n	20%, 63V , CER	ANY
	C....19	59.99.0205	68n	20%, 63V , CER	ANY
	C....20	59.99.0205	68n	20%, 63V , CER	ANY
	C....21	59.99.0205	68n	20%, 63V , CER	ANY
	C....22	59.99.0205	68n	20%, 63V , CER	ANY
	C....23	59.26.5479	4.7u	20%, 25V , SAL	ANY
	C....24	59.99.0205	68n	20%, 63V , CER	ANY
	C....25	59.99.0205	68n	20%, 63V , CER	ANY
	C....26	59.99.0205	68n	20%, 63V , CER	ANY
	C....27	59.99.0205	68n	20%, 63V , CER	ANY
	C....28	59.22.4471	470u	20%, 16V , EL	ANY
	C....29	59.22.4471	470u	20%, 16V , EL	ANY
	C....30	59.99.0205	68n	20%, 63V , CER	ANY
	C....31	59.99.0205	68n	20%, 63V , CER	ANY
	C....32	59.99.0205	68n	20%, 63V , CER	ANY
	C....33	59.99.0205	68n	20%, 63V , CER	ANY
	C....34	59.34.2270	27p	20%, 63V , CER	ANY
	C....35	59.34.2270	27p	20%, 63V , CER	ANY
	D....1	50.04.0122	1N 4001		ANY

S T U D E R (02) 86/10/09 Sn MP AMPLIFIER 1.861.746.20 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	D....3	50.04.0512	1N 5818		ANY
	D....4	50.04.0105	1N 4004		ANY
	D....6	50.04.0122	1N 4001		ANY
	D....8	50.04.0122	1N 4001		ANY
	D....9	50.04.0105	1N 4004		ANY
	D....11	50.04.0122	1N 4001		ANY
	D....12	50.04.0105	1N 4004		ANY
	IC....1	50.09.0105		NE 5532 N	ANY
	IC....2	50.11.0120		TL 191 CN OG 390 CJ	ANY
	IC....3	50.09.0105		NE 5532 N	ANY
	IC....4	50.18.0012		PAL 16 R 8 A-2 CN (186141020)	ANY
	IC....5	50.15.0108		AM26 LS 31 PC+AM26 LS31 CN	ANY
	IC....6	50.15.0109		AM26 LS33 PC+DS26 LS33 CN	ANY
	IC....7	50.06.0377		SN 74 LS 377 N	ANY
	IC....8			SN 7437	ANY
	IC....9	50.06.0322		SN 74 LS 322 AN	ANY
	IC....10	50.06.0540		74 LS 540	ANY
	J....1	54.01.0238		CIS CONNECTOR 6-PIN, FEMALE	ANY
(01)	J....2	54.01.0238		CIS CONNECTOR 6-PIN, FEMALE	ANY
(01)	J....3	54.01.0239		CIS CONNECTOR 3-PIN, FEMALE	ANY
(01)	J....4	54.01.0288		CIS CONNECTOR 5-PIN, FEMALE	ANY
	K....1	56.04.0170		OPDT, 5V, PRINT	ITT
	L....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
(01)	L....3	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L....4	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	1.861.746.11	1 PCS	PCB	St
	MP....2	1.010.029.50	1 PCS	HEAT-SINK FOR 2*TO 126	St
	MP....3	1.010.029.50	1 PCS	HEAT-SINK FOR 2*TO 126	St
	MP....4	21.53.0354	1 PCS	SCREW, M3#6	ANY
	MP....5	21.53.0354	1 PCS	SCREW, M3#6	ANY
	MP....6	21.53.0354	1 PCS	SCREW, M3#6	ANY
	MP....7	21.53.0354	1 PCS	SCREW, M3#6	ANY

S T U D E R (02) 86/10/09 Sn MP AMPLIFIER 1.861.746.20 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....12	37.01.0101	1 PCS	WASHER SPRING-TYPE, D=3.2	ANY
	MP....13	37.01.0101	1 PCS	WASHER SPRING-TYPE, D=3.2	ANY
	MP....14	37.01.0101	1 PCS	WASHER SPRING-TYPE, D=3.2	ANY
	MP....15	37.01.0101	1 PCS	WASHER SPRING-TYPE, D=3.2	ANY
	MP....16	37.01.0101	1 PCS	WASHER SPRING-TYPE, D=3.2	ANY
	MP....17	37.01.0101	1 PCS	WASHER SPRING-TYPE, D=3.2	ANY
	MP....18	37.01.0101	1 PCS	WASHER SPRING-TYPE, D=3.2	ANY
	MP....19	37.01.0101	1 PCS	WASHER SPRING-TYPE, D=3.2	ANY
	MP....24	1.010.021.22	1 PCS	STAND-OFF, M3*10.9mm, RIVETING TYPE	St
	MP....25	1.010.021.22	1 PCS	STAND-OFF, M3#10.9mm, RIVETING TYPE	St
	MP....26	1.010.052.22	1 PCS	STAND-OFF, M3#16mm, RIVETING TYPE	St
	MP....27	1.010.052.22	1 PCS	STAND-OFF, M3#16mm, RIVETING TYPE	St
	MP....28	1.010.035.54	1 PCS	STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP....29	1.010.035.54	1 PCS	STAND-OFF WITH THREAD, LOCKING TYPE	St
	MP....30	21.51.2354	1 PCS	SCREW, COUNTERSUNK HEAD, M3*6mm	ANY
	MP....31	21.51.2354	1 PCS	SCREW, COUNTERSUNK HEAD, M3#6mm	ANY
	MP....32	50.20.0310	1 PCS	INSULATOR, GREASED, FOR TO 126	ANY
	MP....33	50.20.0310	1 PCS	INSULATOR, GREASED, FOR TO 126	ANY
	MP....34	50.20.0310	1 PCS	INSULATOR, GREASED, FOR TO 126	ANY
	MP....35	50.20.0310	1 PCS	INSULATOR, GREASED, FOR TO 126	ANY
	MP....36	1.101.001.20	1 PCS	TEXT-LABEL, HARDWARE-20	ANY
	MP....37	1.861.746.01	1 PCS	LABEL WITH STUDER-NUMBER	St
(01)	MP....38	43.01.0108		LABEL "ESE"	ANY
	P....1	54.13.0033		25-PIN D-SUB, VERTICAL, MALE	ANY
	P....2	54.14.2003		FLATCABLE CONNECTOR 26-PIN, MALE	ANY
	Q....1	50.03.0451	BD 139-10		ANY
	Q....2	50.03.0452	BD 140-10		ANY
	Q....3	50.03.0451	BD 139-10		ANY
	Q....4	50.03.0452	BD 140-10		ANY
	R....1	57.11.4103	10k	5%	ANY
	R....2	57.11.4103	10k	5%	ANY
	R....3	57.11.4103	10k	5%	ANY
	R....4	57.11.4103	10k	5%	ANY
	R....5	57.11.4103	10k	5%	ANY

S T U D E R (02) 86/10/09 Sn MP AMPLIFIER 1.861.746.20 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....6	57.11.4103	10k	5%	ANY
	R....7	57.11.4102	1.0k	5%	ANY
	R....8	57.11.4223	22k	5%	ANY
	R....9	57.11.4102	1.0k	5%	ANY
	R....10	57.11.4470	47	5%	ANY
	R....12	57.11.4223	22k	5%	ANY
	R....13	57.11.4100	10	5%	ANY
	R....14	57.11.4471	470	5%	ANY
	R....15	57.11.4100	10	5%	ANY
	R....17	57.11.4102	1.0k	5%	ANY
	R....18	57.11.4223	22k	5%	ANY
	R....19	57.11.4470	47	5%	ANY
	R....20	57.11.4223	22k	5%	ANY
	R....21	57.11.4102	1.0k	5%	ANY
	R....23	57.11.4100	10	5%	ANY
	R....24	57.11.4471	470	5%	ANY
	R....25	57.11.4100	10	5%	ANY
	R....26	57.11.4102	1.0k	5%	ANY
	R....29	57.11.4102	1k	5%	ANY
	R....30	57.11.4102	1k	5%	ANY
	R....31	57.11.4102	1k	5%	ANY
	R....32	57.11.4102	1k	5%	ANY
	R....33	57.11.4103	10k	5%	ANY
	R....34	57.11.4103	10k	5%	ANY
	R....35	57.11.4470	47	5%	ANY
	R....36	57.11.4470	47	5%	ANY
	R....37	57.11.4470	47	5%	ANY
	R....38	57.11.4470	47	5%	ANY
	R....39	57.11.4103	10k	5%	ANY
	RT...11	57.92.1151	22	4W, PTC	ANY
	RT...16	57.92.1151	22	4W, PTC	ANY
	RT...22	57.92.1151	22	4W, PTC	ANY
	RT...27	57.92.1151	22	4W, PTC	ANY
	RZ...28	57.88.4104	8*100k	5%, SINGLE IN LINE	ANY

S T U D E R (02) 86/10/09 Sn MP AMPLIFIER 1.861.746.20 PAGE 4

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC...2	53.03.0168		16-PIN	ANY
	XIC...3	53.03.0166		8-PIN	ANY
(00)	XIC...4	53.03.0166		8-PIN	ANY
	XIC...5	53.03.0165		20-PIN	ANY
	XIC...6	53.03.0168		16-PIN	ANY
	XIC...7	53.03.0168		16-PIN	ANY
	XIC...8	53.03.0165		20-PIN	ANY
	XIC...9	53.03.0167		14-PIN	ANY
	XIC...10	53.03.0165		20-PIN	ANY

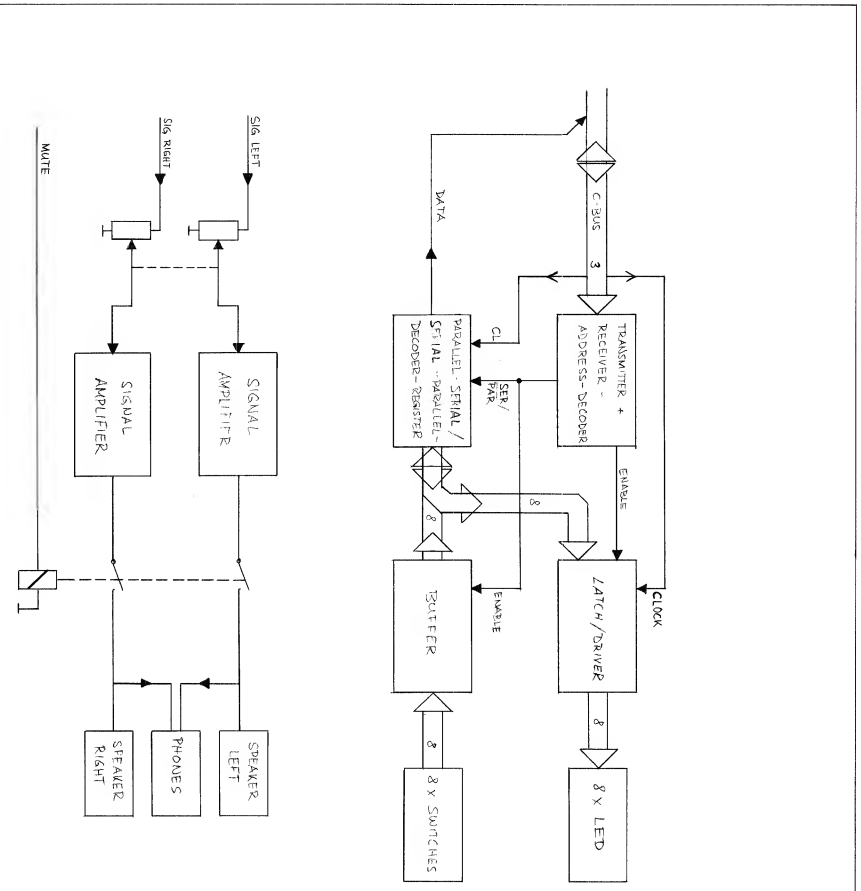
REMARKS: #01: MODIFICATIONS ACCORDING TO SAMPLES

MANUFACTURERS:
St = STUDER
Ph = PHILIPS
ITT = ITT

ABBREVIATIONS:
CER = CERAMIC / SAL = SOL10 ALUMINIUM / EL = ELECTROLYTIC
XIC = IC SOCKET

ORIG 86/10/09

S T U D E R (02) 86/10/09 Sn MP AMPLIFIER 1.861.746.20 PAGE 5



⓪ 6.5.86 RH			
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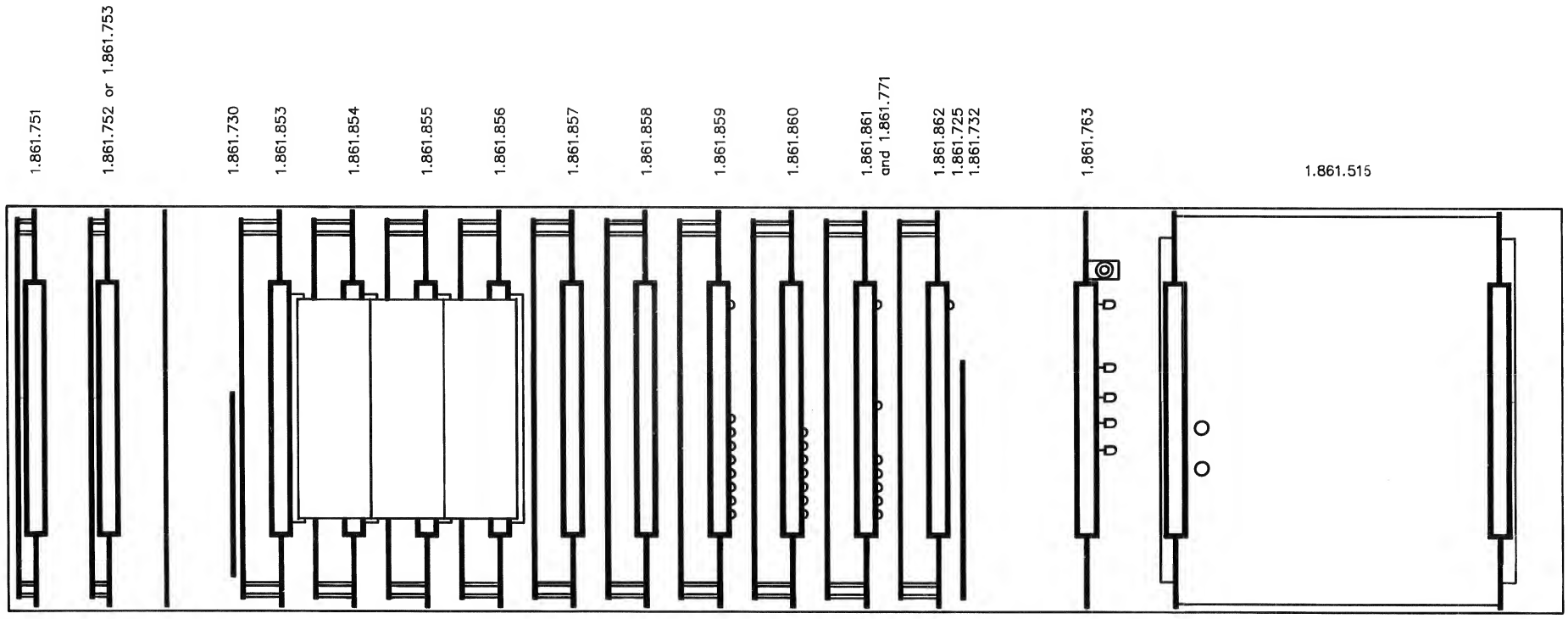
STUDER	MONITOR PANEL + MP-KEYBOARD		

PUBLISHED: 12/86

4. ASSEMBLY 4 BOX

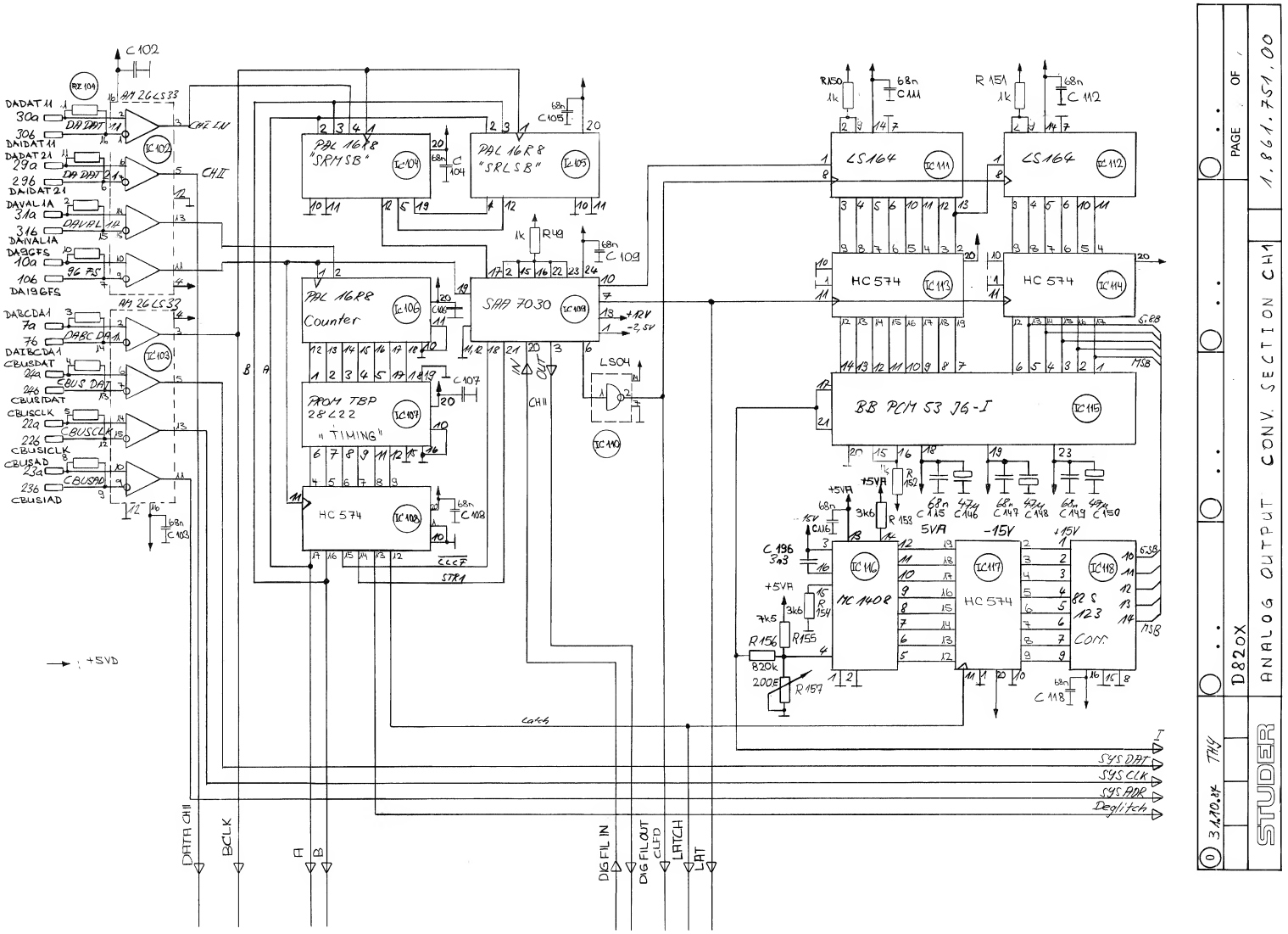
PUBLISHED: 09/86

BOARD LOCATION



PUBLISHED: 11/86

ANALOG OUTPUT 1.861.751.00 PAGE 1



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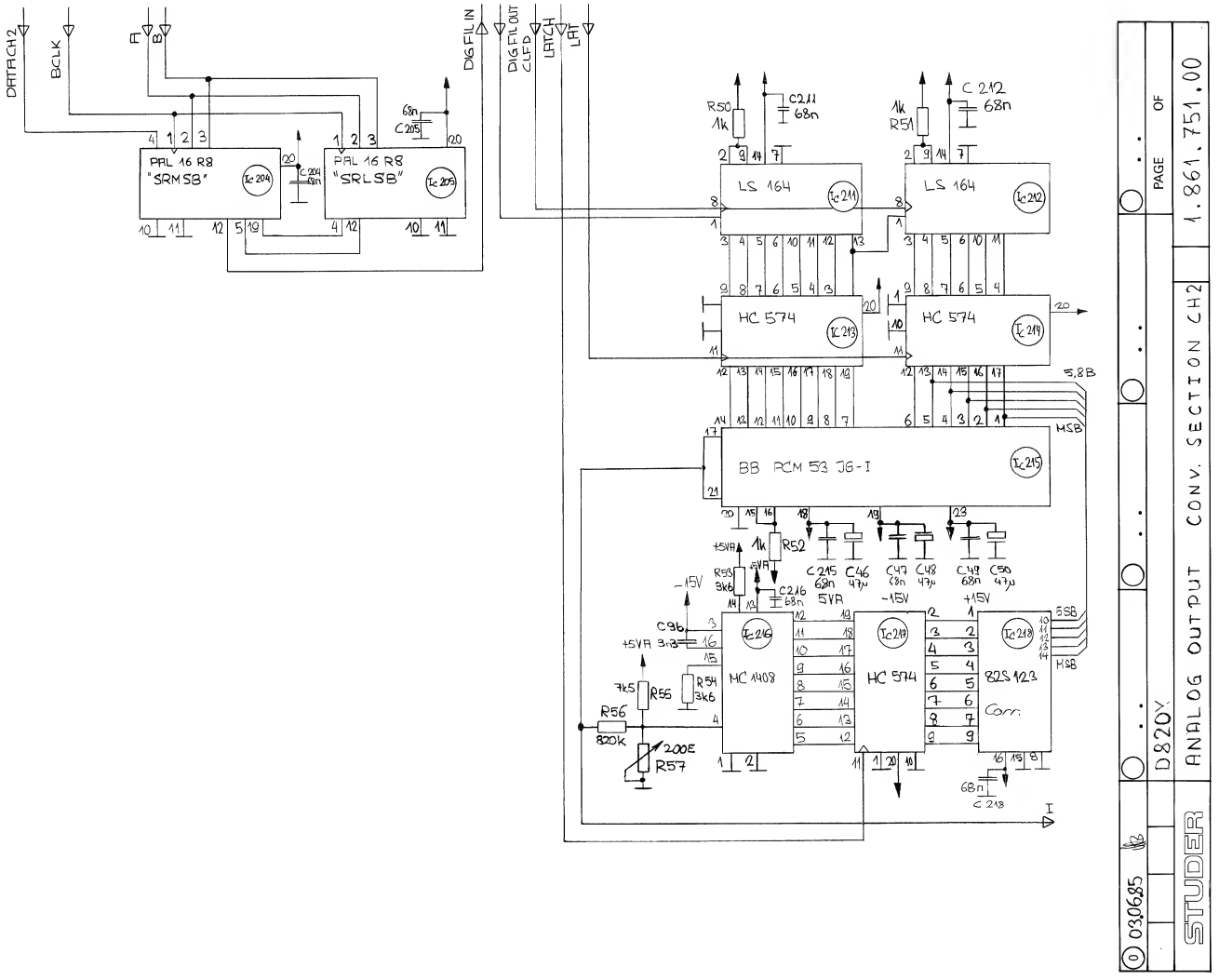

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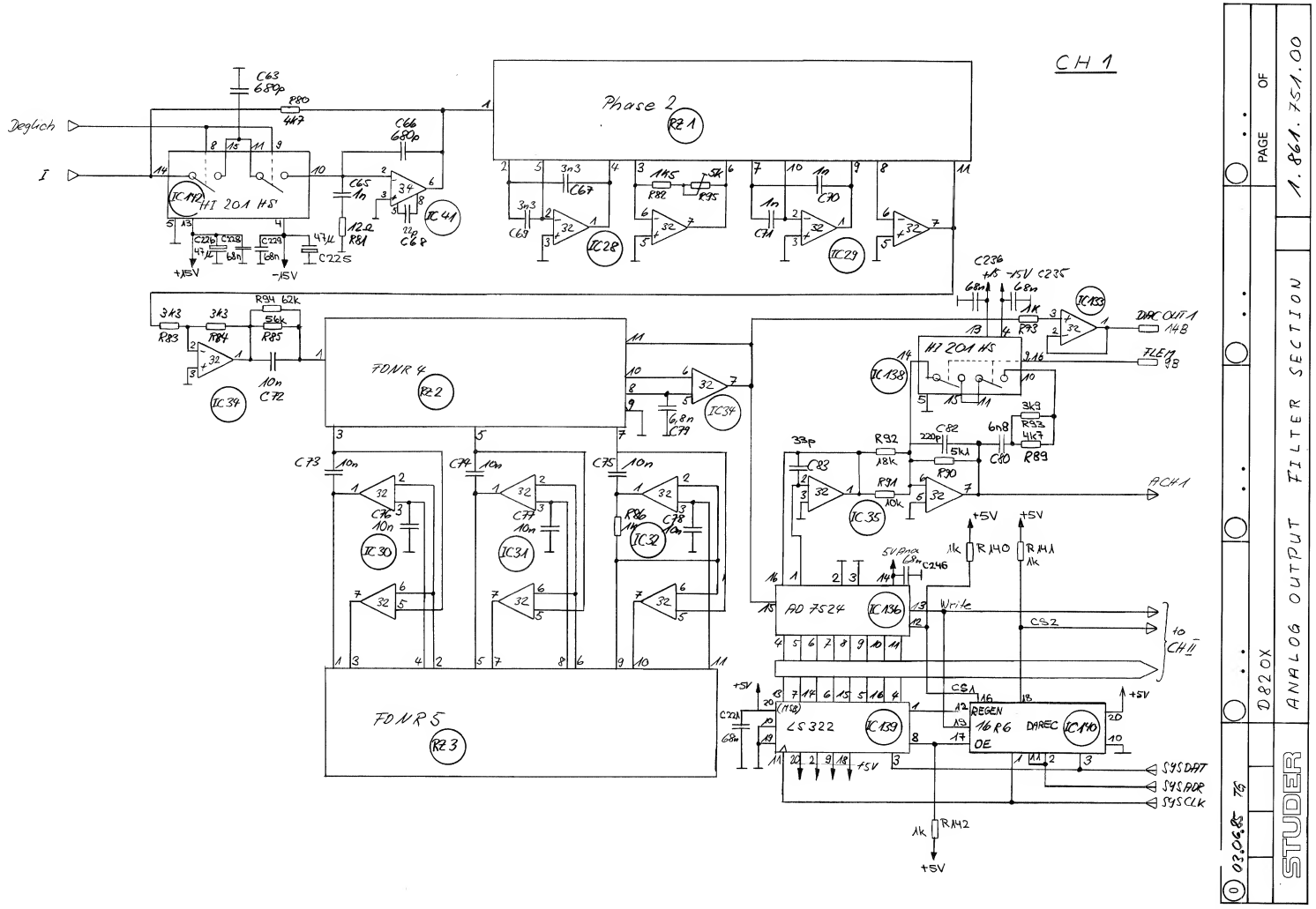
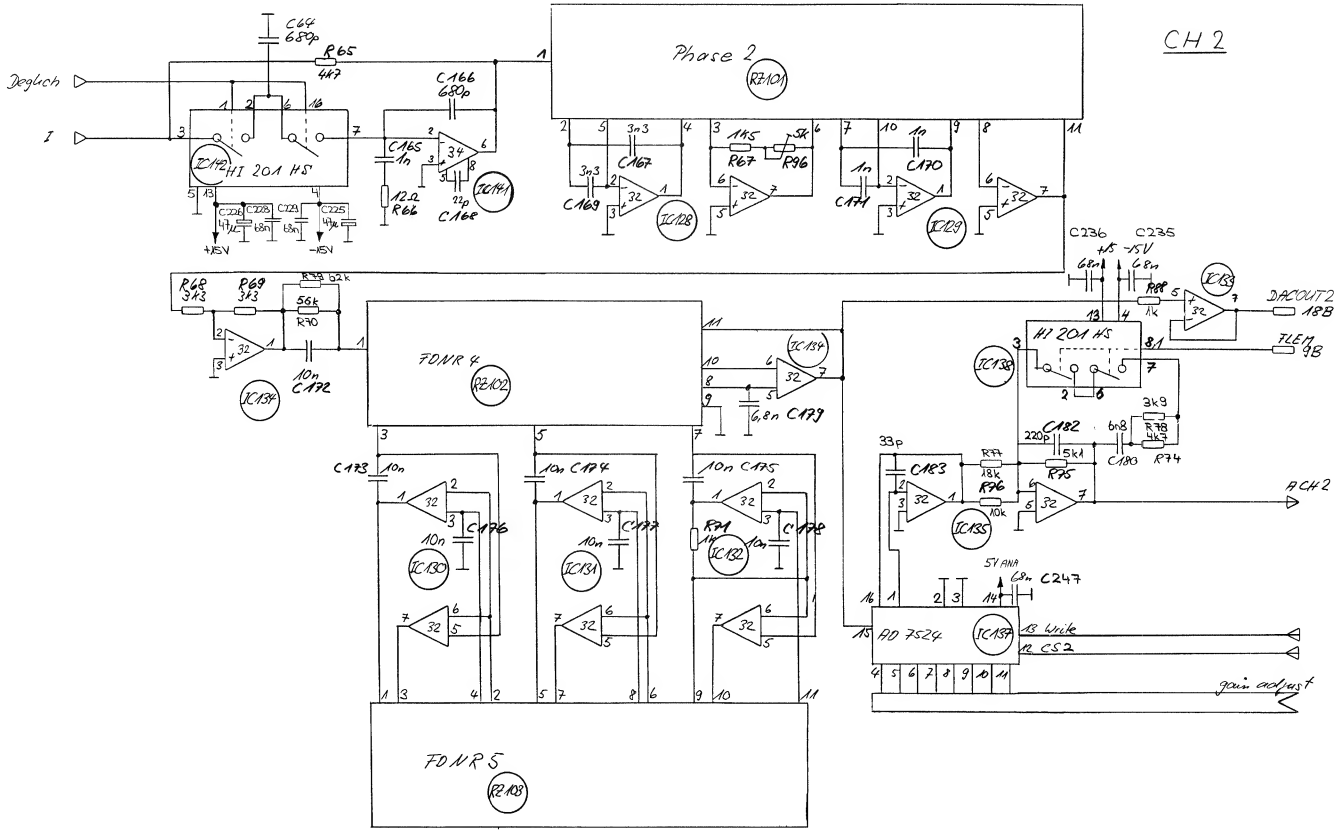
ANALOG OUTPUT 1.861.751.00 **PAGE 3**



ANALOG OUTPUT 1.861.751.00 **PAGE 4**



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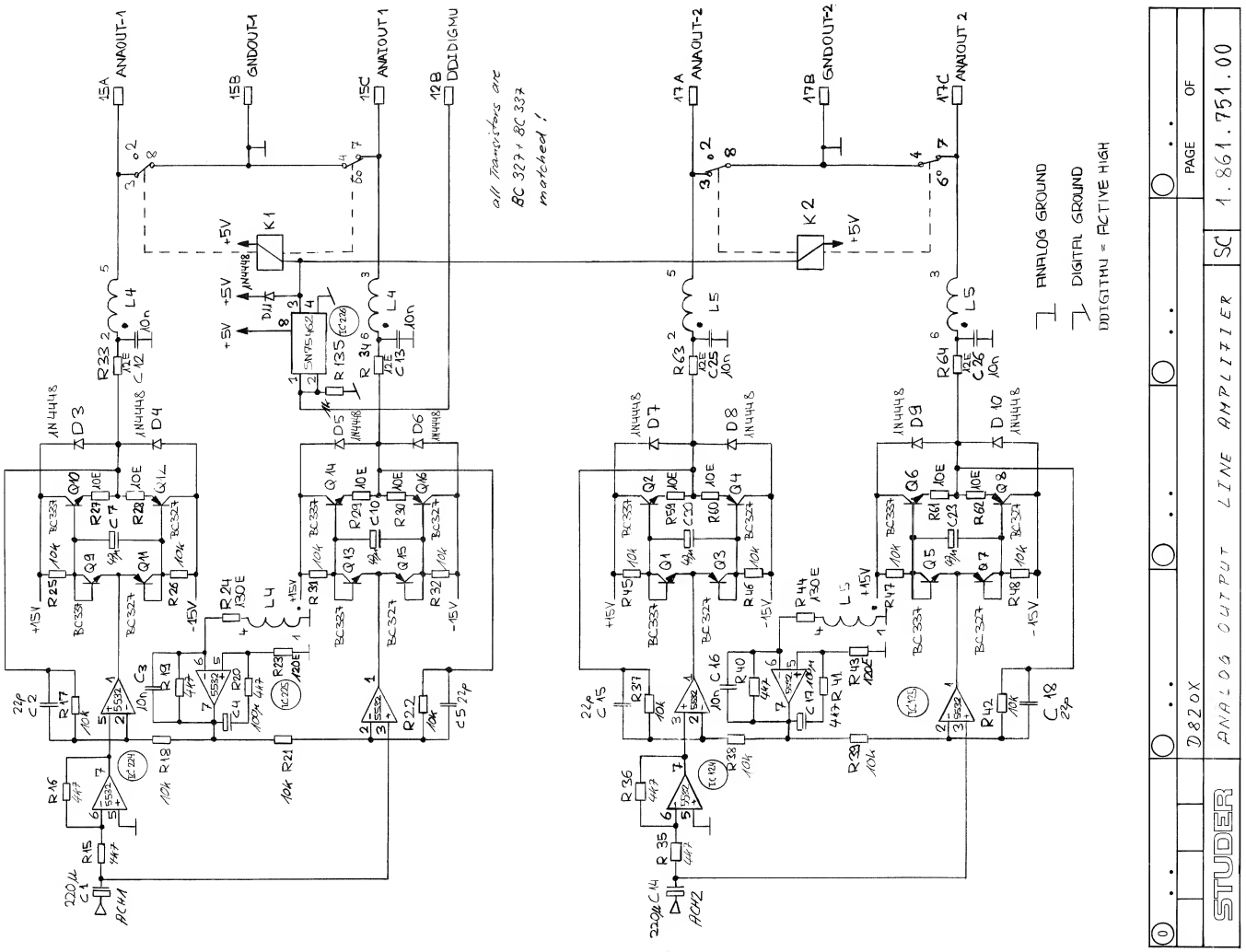
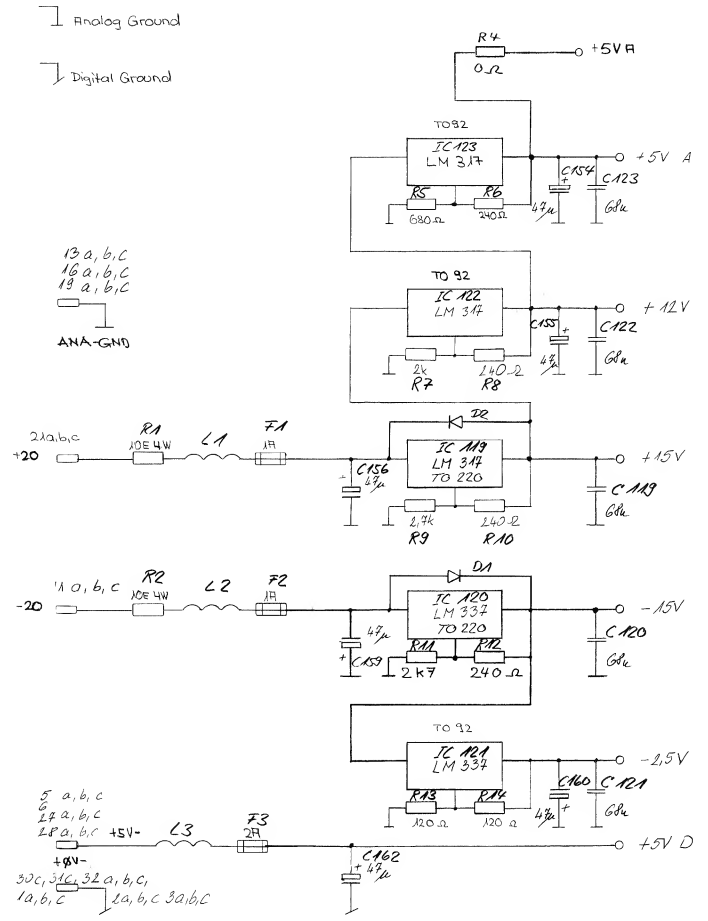
ANALOG OUTPUT 1.861.751.00 **PAGE 5**



ANALOG OUTPUT 1.861.751.00 PAGE 6



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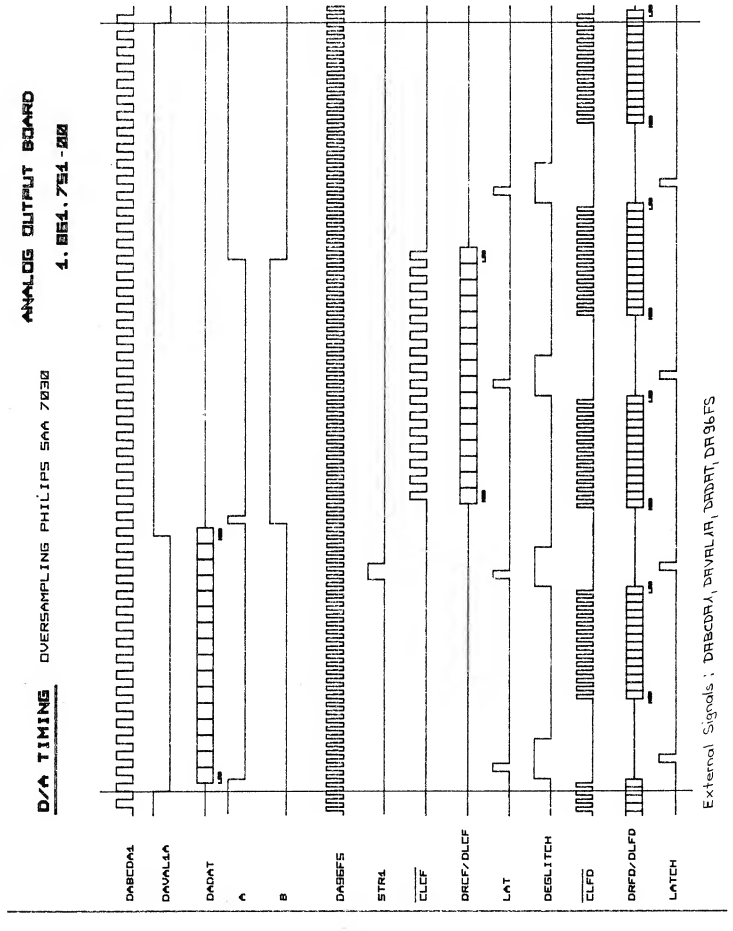
PUBLISHED: 09/86



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PUBLISHED: 09/86

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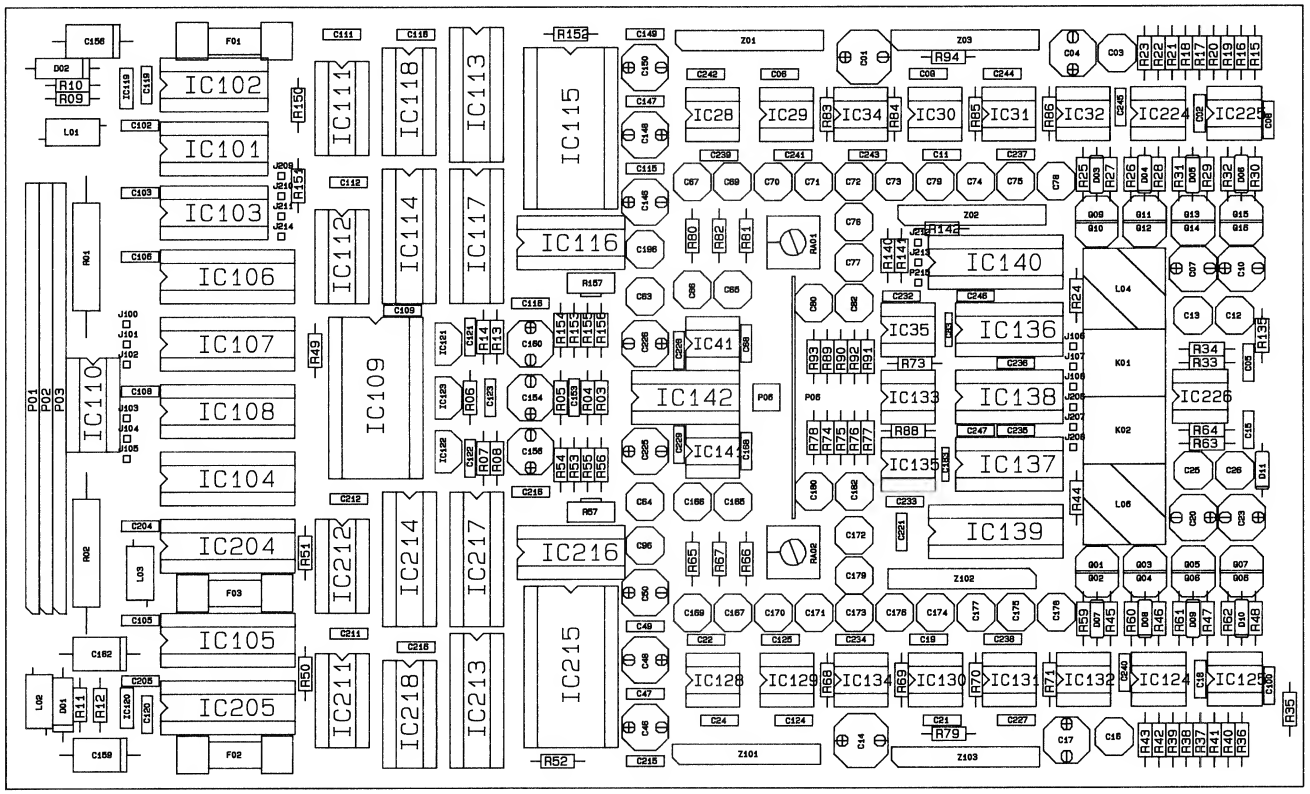

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C...227	59.99.0205	68n	20%, 30V, CER	ANY
	C...228	59.99.0205	68n	20%, 30V, CER	ANY
	C...229	59.99.0205	68n	20%, 30V, CER	ANY
	C...232	59.99.0205	68n	20%, 30V, CER	ANY
	C...233	59.99.0205	68n	20%, 30V, CER	ANY
	C...234	59.99.0205	68n	20%, 30V, CER	ANY
	C...235	59.99.0205	68n	20%, 30V, CER	ANY
	C...236	59.99.0205	68n	20%, 30V, CER	ANY
	C...237	59.99.0205	68n	20%, 30V, CER	ANY
	C...238	59.99.0205	68n	20%, 30V, CER	ANY
	C...239	59.99.0205	68n	20%, 30V, CER	ANY
	C...240	59.99.0205	68n	20%, 30V, CER	ANY
	C...241	59.99.0205	68n	20%, 30V, CER	ANY
	C...242	59.99.0205	68n	20%, 30V, CER	ANY
	C...243	59.99.0205	68n	20%, 30V, CER	ANY
	C...244	59.99.0205	68n	20%, 30V, CER	ANY
	C...245	59.99.0205	68n	20%, 30V, CER	ANY
	C...246	59.99.0205	68n	20%, 30V, CER	ANY
	C...247	59.99.0205	68n	20%, 30V, CER	ANY
	D....1	50.04.0122		1N 4001	ANY
	D....2	50.04.0122		1N 4001	ANY
	D....3	50.04.0125		1N 4448	ANY
	D....4	50.04.0125		1N 4448	ANY
	D....5	50.04.0125		1N 4448	ANY
	D....6	50.04.0125		1N 4448	ANY
	D....7	50.04.0125		1N 4448	ANY
	D....8	50.04.0125		1N 4448	ANY
	D....9	50.04.0125		1N 4448	ANY
	D....10	50.04.0125		1N 4448	ANY
	D....11	50.04.0125		1N 4448	ANY
	F....1	51.01.0117		SLOW BLOW, 1A	ANY
	F....2	51.01.0117		SLOW BLOW, 1A	ANY
	F....3	51.01.0120		SLOW BLOW, 2A	ANY
	IC...28	50.09.0106		NE 5532 AN	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC...29	50.09.0106		NE 5532 AN	ANY
	IC...30	50.09.0106		NE 5532 AN	ANY
	IC...31	50.09.0106		NE 5532 AN	ANY
	IC...32	50.09.0106		NE 5532 AN	ANY
	IC...34	50.09.0106		NE 5532 AN	ANY
	IC...35	50.09.0106		NE 5532 AN	ANY
	IC...41	50.05.0244		NE 5534 AN	ANY
	IC...102	50.15.0109		AM26 LS33 PC	AMD
	IC...103	50.15.0109		AM26 LS33 PC	AMD
	IC...104	50.18.0012		PAL 16 R 8 A-2 (186143720)	MMI
	IC...105	50.18.0012		PAL 16 R 8 A-2 (186143620)	MMI
	IC...106	50.18.0012		PAL 16 R 8 A-2 (186143520)	MMI
	IC...107	50.14.0114		TBP 28 L 22 N (186143820)	TI
	IC...108	50.17.1574		74 HC 574	ANY
	IC...109	50.13.0112		SAA 7030	Ph
	IC...110	50.06.0004		SN 74 LS 04 N	ANY
	IC...111	50.06.0164		SN 74 LS 164 N	ANY
	IC...112	50.06.0164		SN 74 LS 164 N	ANY
	IC...113	50.17.1574		74 HC 574	ANY
	IC...114	50.17.1574		74 HC 574	ANY
	IC...115	50.19.0103		PCM 53 JG-I	BB
	IC...116	50.99.0123		MC 1408 L8	MOT+PMI
	IC...117	50.17.1574		74 HC 574	ANY
	IC...118	50.05.0206		N 82 S 123 N (NOTE 1) (186145320)	MMI+SIG
	IC...119	50.10.0104		LM 317 SP+ TO 220	ANY
	IC...120	50.10.0105		LM 337 SP+ TO 220	ANY
	IC...121	50.10.0109		LM 337 LZ+ TO 92	ANY
	IC...122	50.10.0108		LM 317 LZ+ TO 92	ANY
	IC...123	50.10.0108		LM 317 LZ+ TO 92	ANY
	IC...124	50.09.0106		NE 5532 AN	ANY
	IC...125	50.09.0106		NE 5532 AN	ANY
	IC...128	50.09.0106		NE 5532 AN	ANY
	IC...129	50.09.0106		NE 5532 AN	ANY
	IC...130	50.09.0106		NE 5532 AN	ANY
	IC...131	50.09.0106		NE 5532 AN	ANY
	IC...132	50.09.0106		NE 5532 AN	ANY
	IC...133	50.09.0106		NE 5532 AN	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.22.5101	100U	20%, 25V, EL	ANY
	C.....2	59.34.2220	22p	5%, 63V, CER	ANY
	C.....3	59.05.2103	10n	2.5%, 63V, PP	ANY
	C.....4	59.22.5101	100u	20%, 25V, EL	ANY
	C.....5	59.34.2220	22p	5%, 63V, CER	ANY
	C.....6	59.99.0205	68n	20%, 30V, CER	ANY
	C.....7	59.22.5470	47u	20%, 25V, EL	ANY
	C.....8	59.99.0205	68n	20%, 30V, CER	ANY
	C.....9	59.99.0205	68n	20%, 30V, CER	ANY
	C.....10	59.22.5470	47u	20%, 25V, EL	ANY
	C.....11	59.99.0205	68n	20%, 30V, CER	ANY
	C.....12	59.05.2103	10n	2.5%, 63V, PP	ANY
	C.....13	59.05.2103	10n	2.5%, 63V, PP	ANY
	C.....14	59.22.5101	100u	20%, 25V, EL	ANY
	C.....15	59.34.2220	22p	5%, 63V, CER	ANY
	C.....16	59.05.2103	10n	2.5%, 63V, PP	ANY
	C.....17	59.22.5101	100u	20%, 25V, EL	ANY
	C.....18	59.34.2220	22p	5%, 63V, CER	ANY
	C.....19	59.99.0205	68n	20%, 30V, CER	ANY
	C.....20	59.22.5470	47u	20%, 25V, EL	ANY
	C.....21	59.99.0205	68n	20%, 30V, CER	ANY
	C.....22	59.99.0205	68n	20%, 30V, CER	ANY
	C.....23	59.22.5470	47u	20%, 25V, EL	ANY
	C.....24	59.99.0205	68n	20%, 30V, CER	ANY
	C.....25	59.05.2103	10n	2.5%, 63V, PP	ANY
	C.....26	59.05.2103	10n	2.5%, 63V, PP	ANY
	C.....46	59.22.5470	47u	20%, 25V, EL	ANY
	C.....47	59.99.0205	68n	20%, 30V, CER	ANY
	C.....48	59.22.5470	47u	20%, 25V, EL	ANY
	C.....49	59.99.0205	68n	20%, 30V, CER	ANY
	C.....50	59.22.5470	47u	20%, 25V, EL	ANY
	C.....63	59.05.2681	680p	2.5%, 63V, CER	ANY
	C.....64	59.05.2681	680p	2.5%, 63V, CER	ANY
	C.....65	59.05.2102	1n	2.5%, 63V, PP	ANY
	C.....66	59.05.2681	680p	2.5%, 63V, CER	ANY
	C.....67	59.05.1332	3.3n	1%, 63V, PP	ANY
	C.....68	59.34.2220	22p	5%, 63V, CER	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....69	59.05.1332	3.3n	1%, 63V, PP	ANY
	C....70	59.05.1102	1n	1%, 63V, PP	ANY
	C....71	59.05.1102	1n	1%, 63V, PP	ANY
	C....72	59.05.1103	10n	1%, 63V, PP	ANY
	C....73	59.05.1103	10n	1%, 63V, PP	ANY
	C....74	59.05.1103	10n	1%, 63V, PP	ANY
	C....75	59.05.1103	10n	1%, 63V, PP	ANY
	C....76	59.05.1103	10n	1%, 63V, PP	ANY
	C....77	59.05.1103	10n	1%, 63V, PP	ANY
	C....78	59.05.1103	10n	1%, 63V, PP	ANY
	C....79	59.05.1682	6.8n	1%, 63V, PP	ANY
	C....80	59.05.1682	6.8n	1%, 63V, PP	ANY
	C....82	59.05.1221	220p	1%, 63V, PP	ANY
	C....83	59.34.2330	33p	5%, 63V, CER	ANY
	C....96	59.32.2332	3.3n	10%, 63V, CER	ANY
	C....100	59.99.0205	68n	20%, 30V, CER	ANY
	C....102	59.99.0205	68n	20%, 30V, CER	ANY
	C....103	59.99.0205	68n	20%, 30V, CER	ANY
	C....105	59.99.0205	68n	20%, 30V, CER	ANY
	C....106	59.99.0205	68n	20%, 30V, CER	ANY
	C....108	59.99.0205	68n	20%, 30V, CER	ANY
	C....109	59.99.0205	68n	20%, 30V, CER	ANY
	C....111	59.99.0205	68n	20%, 30V, CER	ANY
	C....112	59.99.0205	68n	20%, 30V, CER	ANY
	C....115	59.99.0205	68n	20%, 30V, CER	ANY
	C....116	59.99.0205	68n	20%, 30V, CER	ANY
	C....118	59.99.0205	68n	20%, 30V, CER	ANY
	C....119	59.99.0205	68n	20%, 30V, CER	ANY
	C....120	59.99.0205	68n	20%, 30V, CER	ANY
	C....121	59.99.0205	68n	20%, 30V, CER	ANY
	C....122	59.99.0205	68n	20%, 30V, CER	ANY
	C....123	59.99.0205	68n	20%, 30V, CER	ANY
	C....124	59.99.0205	68n	20%, 30V, CER	ANY
	C....125	59.99.0205	68n	20%, 30V, CER	ANY
	C....146	59.22.5470	47u	20%, 25V, EL	ANY
	C....147	59.99.0205	68n	20%, 30V, CER	ANY
	C....148	59.22.5470	47u	20%, 25V, EL	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....149	59.99.0205	68n	20%, 30V, CER	ANY
	C....150	59.22.5470	47u	20%, 25V, EL	ANY
	C....154	59.22.5470	47u	20%, 25V, EL	ANY
	C....155	59.22.5470	47u	20%, 25V, EL	ANY
	C....156	59.25.4470	47u	20%, 25V, EL	ANY
	C....159	59.25.4470	47u	20%, 25V, EL	ANY
	C....160	59.22.5470	47u	20%, 25V, EL	ANY
	C....162	59.25.4470	47u	20%, 25V, EL	ANY
	C....165	59.05.2102	1n	2.5%, 63V, PP	ANY
	C....166	59.05.2681	680p	2.5%, 63V, PP	ANY
	C....167	59.05.1332	3.3n	1%, 63V, PP	ANY
	C....168	59.34.2220	22p	5%, 63V, CER	ANY
	C....169	59.05.1332	3.3n	1%, 63V, PP	ANY
	C....170	59.05.1102	1n	1%, 63V, PP	ANY
	C....171	59.05.1102	1n	1%, 63V, PP	ANY
	C....172	59.05.1103	10n	1%, 63V, PP	ANY
	C....173	59.05.1103	10n	1%, 63V, PP	ANY
	C....174	59.05.1103	10n	1%, 63V, PP	ANY
	C....175	59.05.1103	10n	1%, 63V, PP	ANY
	C....176	59.05.1103	10n	1%, 63V, PP	ANY
	C....177	59.05.1103	10n	1%, 63V, PP	ANY
	C....178	59.05.1103	10n	1%, 63V, PP	ANY
	C....179	59.05.1682	6.8n	1%, 63V, PP	ANY
	C....180	59.05.1682	6.8n	1%, 63V, PP	ANY
	C....182	59.05.1221	220p	1%, 63V, PP	ANY
	C....183	59.34.2330	33p	5%, 63V, CER	ANY
	C....196	59.32.2332	3.3n	10%, 63V, CER	ANY
	C....204	59.99.0205	68n	20%, 30V, CER	ANY
	C....205	59.99.0205	68n	20%, 30V, CER	ANY
	C....211	59.99.0205	68n	20%, 30V, CER	ANY
	C....212	59.99.0205	68n	20%, 30V, CER	ANY
	C....215	59.99.0205	68n	20%, 30V, CER	ANY
	C....216	59.99.0205	68n	20%, 30V, CER	ANY
	C....218	59.99.0205	68n	20%, 30V, CER	ANY
	C....221	59.99.0205	68n	20%, 30V, CER	ANY
	C....225	59.22.5470	47u	20%, 25V, EL	ANY
	C....226	59.22.5470	47u	20%, 25V, EL	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC...134	50.09.0106		NE 5532 AN	ANY
	IC...135	50.09.0106		NE 5532 AN	ANY
	IC...136	50.07.0002		AD 7524 JN	AD
	IC...137	50.07.0002		AD 7524 JN	AD
	IC...138	50.17.0101		H11-201 HS	HA
	IC...139	50.06.0322		SN 74 LS 322 AN	ANY
	IC...140	50.18.0011		PAL 16 R 6 A-2 CN (186143920)	MMI
	IC...141	50.05.0244		NE 5534 AN	ANY
	IC...142	50.17.0101		H11-201 HS	HA
	IC...206	50.18.0012		PAL 16 R 8 A-2 CN (186143720)	MMI
	IC...205	50.18.0012		PAL 16 R 8 A-2 CN (186143620)	MMI
	IC...211	50.06.0164		SN 74 LS 164	ANY
	IC...212	50.06.0164		SN 74 LS 164	ANY
	IC...213	50.17.1574		74 HC 574	ANY
	IC...214	50.17.1574		74 HC 574	ANY
	IC...215	50.19.0103		PCM 53 JG-I	BB
	IC...216	50.99.0123		MC 1408 L8	MOT+PMI
	IC...217	50.17.1574		74 HC 574	ANY
	IC...218	50.05.0206		N 82 S 123 N (NOTE 1) (186145420)	MMI+SIG
	IC...224	50.09.0106		NE 5532 AN	ANY
	IC...225	50.09.0106		NE 5532 AN	ANY
	IC...226	50.05.0227		SN 75 462 P	ANY
	K....1	56.04.0170		DPDT, 5V	ITT
	K....2	56.04.0170		DPDT, 5V	ITT
	L....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L....2	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L....3	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L....4	1.022.275.00		TRIFILARTRAFO OUTPUT	St
	L....5	1.022.275.00		TRIFILARTRAFO OUTPUT	St
	MP....1	1.861.752.02		HEATSINK	St
	MP....2	50.20.0404		INSULATING BUSH	ANY
	MP....3	50.20.0305		INSULATOR GREASED	ANY
	MP....4	51.01.0354		SCREW CYLIN.-HEAD, M3*6mm	ANY
	MP....7	50.20.0404		INSULATING BUSH	ANY

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...8	50.20.0305		INSULATOR GREASED	ANY
	MP...9	21.01.0354		SCREW CYLIN-HEAD, M3*6mm	ANY
	MP...11	1.861.751.01		NAME PLATE, 6.3*91	St
	MP...13	21.01.0277		SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP...14	21.01.0277		SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP...15	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP...16	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP...17	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP...18	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP...19	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP...20	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP...21	24.16.1025		LOCK WASHER, M2.5	ANY
	MP...22	24.16.1025		LOCK WASHER, M2.5	ANY
	MP...23	24.16.1025		LOCK WASHER, M2.5	ANY
	MP...24	24.16.1025		LOCK WASHER, M2.5	ANY
	MP...25	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP...26	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP...27	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP...28	28.99.0119		RIVETING NUT, 02.5901.15910	ANY
	MP...29	28.99.0119		RIVETING NUT, 02.5901.15910	ANY
	MP...30	1.010.006.33		MARKING HANDLE	ANY
	MP...31	1.010.006.33		MARKING HANDLE	ANY
	MP...32	1.010.096.49		TRANSPARENT COVER	ANY
	MP...33	1.861.750.03		STAND-OFF, M2*4.5	ANY
	MP...34	1.861.750.03		STAND-OFF, M2*4.5	ANY
	MP...35	1.861.750.03		STAND-OFF, M2*4.5	ANY
	MP...36	1.861.750.03		STAND-OFF, M2*4.5	ANY
	MP...37	1.861.750.01		METAL PLATE	St
	MP...38	1.861.750.02		INSULATOR	St
	MP...39	50.20.2001		CLIP 2PIO 92	ANY
	MP...40	50.20.2001		CLIP 2PIO 92	ANY
	MP...41	50.20.2001		CLIP 2PIO 92	ANY
	MP...42	50.20.2001		CLIP 2PIO 92	ANY
	MP...43	50.20.2001		CLIP 2PIO 92	ANY
	MP...44	50.20.2001		CLIP 2PIO 92	ANY
	MP...45	50.20.2001		CLIP 2PIO 92	ANY
	MP...46	50.20.2001		CLIP 2PIO 92	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...47	1.861.751.12		PCB	St
	MP...48	1.010.115.51		LABEL "FUSE T1.00A"	St
	MP...49	1.010.115.51		LABEL "FUSE T1.00A"	St
	MP...50	1.010.118.51		LABEL "FUSE T2.00A"	St
	MP...51	1.101.001.20		LABEL "HARDWARE -20"	St
	MP...52	43.01.0108		ESC-LABEL	ANY
	MP...53	37.01.0101		LOCK WASHER, 03.2/8*0.3	ANY
	MP...54	37.01.0101		LOCK WASHER, 03.2/8*0.3	ANY
	MP...55	37.01.0101		LOCK WASHER, 03.2/8*0.3	ANY
	MP...56	37.01.0101		LOCK WASHER, 03.2/8*0.3	ANY
	MP...57	1.861.779.03		STAND-OFF, M2.5*9	St
	MP...58	1.861.779.03		STAND-OFF, M2.5*9	St
	P....1	54.01.0358		CARD CONNECTOR, 3*32 EURO SOLDERING	ANY
	P....4	54.02.0320		TEST-POINT	ANY
	Q....1	50.03.0516		BC 337, NPN	ANY
	Q....2	50.03.0516		BC 337, NPN	ANY
	Q....3	50.03.0525		BC 327, PNP	ANY
	Q....4	50.03.0625		BC 327, PNP	ANY
	Q....5	50.03.0516		BC 337, NPN	ANY
	Q....6	50.03.0516		BC 337, NPN	ANY
	Q....7	50.03.0625		BC 327, PNP	ANY
	Q....8	50.03.0625		BC 327, PNP	ANY
	Q....9	50.03.0516		BC 337, NPN	ANY
	Q....10	50.03.0516		BC 337, NPN	ANY
	Q....11	50.03.0625		BC 327, PNP	ANY
	Q....12	50.03.0625		BC 327, PNP	ANY
	Q....13	50.03.0516		BC 337, NPN	ANY
	Q....14	50.03.0516		BC 337, NPN	ANY
	Q....15	50.03.0625		BC 327, PNP	ANY
	Q....16	50.03.0625		BC 327, PNP	ANY
	R....1	57.56.5100	10E	10Ω, 4 W	ANY
	R....2	57.56.5100	10E	10Ω, 4 W	ANY
	R....4	57.11.4000	0E		ANY
	R....5	57.11.3681	680E	1%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....6	57.11.3241	240E	1%	ANY
	R....7	57.11.3202	2k	1%	ANY
	R....8	57.11.3261	240E	1%	ANY
	R....9	57.11.3272	2.7k	1%	ANY
	R....10	57.11.3241	240E	1%	ANY
	R....11	57.11.3272	2.7k	1%	ANY
	R....12	57.11.3241	240E	1%	ANY
	R....13	57.11.3121	120E	1%	ANY
	R....14	57.11.3121	120E	1%	ANY
	R....15	57.11.4472	4.7k	2%	ANY
	R....16	57.11.4472	4.7k	2%	ANY
	R....17	57.11.4103	10k	2%	ANY
	R....18	57.11.4103	10k	2%	ANY
	R....19	57.11.3472	4.7k	1%	ANY
	R....20	57.11.3472	4.7k	1%	ANY
	R....21	57.11.4103	10k	2%	ANY
	R....22	57.11.4103	10k	2%	ANY
	R....23	57.11.3121	120E	1%	ANY
	R....24	57.11.3131	130E	1%	ANY
	R....25	57.11.4103	10k	2%	ANY
	R....26	57.11.4103	10k	2%	ANY
	R....27	57.11.4100	10E	2%	ANY
	R....28	57.11.4100	10E	2%	ANY
	R....29	57.11.4100	10E	2%	ANY
	R....30	57.11.4100	10E	2%	ANY
	R....31	57.11.4103	10k	2%	ANY
	R....32	57.11.4103	10k	2%	ANY
	R....33	57.11.4120	12E	2%	ANY
	R....34	57.11.4120	12E	2%	ANY
	R....35	57.11.4472	4.7k	2%	ANY
	R....36	57.11.4472	4.7k	2%	ANY
	R....37	57.11.4103	10k	2%	ANY
	R....38	57.11.4103	10k	2%	ANY
	R....39	57.11.4103	10k	2%	ANY
	R....40	57.11.3472	4.7k	1%	ANY
	R....41	57.11.3472	4.7k	1%	ANY
	R....42	57.11.4103	10k	2%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....43	57.11.3121	120	1%	ANY
	R....44	57.11.3131	130E	1%	ANY
	R....45	57.11.4103	10k	2%	ANY
	R....46	57.11.4103	10k	2%	ANY
	R....47	57.11.4103	10k	2%	ANY
	R....48	57.11.4103	10k	2%	ANY
	R....49	57.11.4102	1k	5%	ANY
	R....50	57.11.4102	1k	5%	ANY
	R....51	57.11.4102	1k	5%	ANY
	R....52	57.11.4102	1k	5%	ANY
	R....53	57.11.3362	3.6k	1%	ANY
	R....54	57.11.3362	3.6k	1%	ANY
	R....55	57.11.3752	7.5k	2%	ANY
	R....56	57.11.4824	820k	2%	ANY
	R....57	58.01.9201	200E	PMG	ANY
	R....59	57.11.4100	10E	2%	ANY
	R....60	57.11.4100	10E	2%	ANY
	R....61	57.11.4100	10E	2%	ANY
	R....62	57.11.4100	10E	2%	ANY
	R....63	57.11.4120	12E	2%	ANY
	R....64	57.11.4120	12E	2%	ANY
	R....65	57.11.4472	4.7k	2%	ANY
	R....66	57.11.4120	12E	2%	ANY
	R....67	57.11.4192	1.9k	2%	ANY
	R....68	57.11.4332	3.3k	2%	ANY
	R....69	57.11.4332	3.3k	2%	ANY
	R....70	57.11.3563	56k	1%	ANY
	R....71	57.11.3102	1k	1%	ANY
	R....73	57.11.4102	1k	2%	ANY
	R....74	57.11.3472	4.7k	1%	ANY
	R....75	57.11.3912	9.1k	1%	ANY
	R....76	57.11.4103	10k	2%	ANY
	R....77	57.11.4183	18k	2%	ANY
	R....78	57.11.3392	3.9k	1%	ANY
	R....79	57.11.3623	62k	1%	ANY
	R....80	57.11.4472	4.7k	2%	ANY
	R....81	57.11.4120	12E	2%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....82	57.11.4152	1.5k	2%	ANY
	R....83	57.11.4332	3.3k	2%	ANY
	R....84	57.11.4332	3.3k	2%	ANY
	R....85	57.11.3563	56k	1%	ANY
	R....86	57.11.3102	1k	1%	ANY
	R....88	57.11.4102	1k	2%	ANY
	R....89	57.11.3672	6.7k	1%	ANY
	R....90	57.11.3512	5.1k	1%	ANY
	R....91	57.11.4103	10k	2%	ANY
	R....92	57.11.4183	18k	2%	ANY
	R....93	57.11.3392	3.9k	1%	ANY
	R....94	57.11.3623	62k	1%	ANY
	R....95	58.01.8502	5k	PMG	ANY
	R....96	58.01.8502	5k	PMG	ANY
	R....135	57.11.4102	1k	2%	ANY
	R....140	57.11.4102	1k	2%	ANY
	R....141	57.11.4102	1k	2%	ANY
	R....142	57.11.4102	1k	2%	ANY
	R....150	57.11.4102	1k	5%	ANY
	R....151	57.11.4102	1k	5%	ANY
	R....152	57.11.4102	1k	5%	ANY
	R....153	57.11.3362	3.6k	1%	ANY
	R....154	57.11.3362	3.6k	1%	ANY
	R....155	57.11.3752	7.5k	2%	ANY
	R....156	57.11.4824	820k	2%	ANY
	R....157	58.01.9201	200E	PMG	ANY
	RZ....1	1.010.022.57		RZ NW 4391, PHASE 2	Bey
	RZ....2	1.010.020.57		RZ NW 4389, FONR 4	Bey
	RZ....3	1.010.021.57		RZ NW 4390, FONR 5	Bey
	RZ..101	1.010.022.57		RZ NW 4391, PHASE 2	Bey
	RZ..102	1.010.020.57		RZ NW 4389, FONR 4	Bey
	RZ..103	1.010.021.57		RZ NW 4390, FONR 5	Bey
	RZ..104	57.88.3151	8815OE	2% DIL14	ANY
	W.....1	1.861.751.94		CABLE-LIST WITH 2 CABLES	St

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XF....1	53.03.0142		CLAMP	ANY
	XF....2	53.03.0142		CLAMP	ANY
	XF....3	53.03.0142		CLAMP	ANY
	XF....4	53.03.0142		CLAMP	ANY
	XF....5	53.03.0142		CLAMP	ANY
	XF....6	53.03.0142		CLAMP	ANY
	XIC...1	53.03.0166		DIL 8-PIN	ANY
	XIC...2	53.03.0166		DIL 8-PIN	ANY
	XIC...3	53.03.0166		DIL 8-PIN	ANY
	XIC...4	53.03.0166		DIL 8-PIN	ANY
	XIC...5	53.03.0166		DIL 8-PIN	ANY
	XIC...6	53.03.0166		DIL 8-PIN	ANY
	XIC...7	53.03.0166		DIL 8-PIN	ANY
	XIC...8	53.03.0166		DIL 8-PIN	ANY
	XIC...9	53.03.0166		DIL 8-PIN	ANY
	XIC..10	53.03.0166		DIL 8-PIN	ANY
	XIC..11	53.03.0166		DIL 8-PIN	ANY
	XIC..12	53.03.0166		DIL 8-PIN	ANY
	XIC..13	53.03.0166		DIL 8-PIN	ANY
	XIC..14	53.03.0166		DIL 8-PIN	ANY
	XIC..15	53.03.0166		DIL 8-PIN	ANY
	XIC..16	53.03.0166		DIL 8-PIN	ANY
	XIC..17	53.03.0166		DIL 8-PIN	ANY
	XIC..18	53.03.0166		DIL 8-PIN	ANY
	XIC..19	53.03.0166		DIL 8-PIN	ANY
	XIC..20	53.03.0166		DIL 8-PIN	ANY
	XIC..21	53.03.0166		DIL 8-PIN	ANY
	XIC..22	53.03.0166		DIL 8-PIN	ANY
	XIC..23	53.03.0167		DIL 14-PIN	ANY
	XIC..24	53.03.0167		DIL 14-PIN	ANY
	XIC..25	53.03.0167		DIL 14-PIN	ANY
	XIC..26	53.03.0167		DIL 14-PIN	ANY
	XIC..27	53.03.0167		DIL 14-PIN	ANY
	XIC..28	53.03.0168		DIL 16-PIN	ANY
	XIC..29	53.03.0168		DIL 16-PIN	ANY
	XIC..30	53.03.0168		DIL 16-PIN	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC..31	53.03.0168		DIL 16-PIN	ANY
	XIC..32	53.03.0168		DIL 16-PIN	ANY
	XIC..33	53.03.0168		DIL 16-PIN	ANY
	XIC..34	53.03.0168		DIL 16-PIN	ANY
	XIC..35	53.03.0168		DIL 16-PIN	ANY
	XIC..36	53.03.0168		DIL 16-PIN	ANY
	XIC..37	53.03.0168		DIL 16-PIN	ANY
	XIC..38	53.03.0168		DIL 16-PIN	ANY
	XIC..39	53.03.0165		DIL 20-PIN	ANY
	XIC..40	53.03.0165		DIL 20-PIN	ANY
	XIC..41	53.03.0165		DIL 20-PIN	ANY
	XIC..42	53.03.0165		DIL 20-PIN	ANY
	XIC..43	53.03.0165		DIL 20-PIN	ANY
	XIC..44	53.03.0165		DIL 20-PIN	ANY
	XIC..45	53.03.0165		DIL 20-PIN	ANY
	XIC..46	53.03.0165		DIL 20-PIN	ANY
	XIC..47	53.03.0165		DIL 20-PIN	ANY
	XIC..48	53.03.0165		DIL 20-PIN	ANY
	XIC..49	53.03.0165		DIL 20-PIN	ANY
	XIC..50	53.03.0165		DIL 20-PIN	ANY
	XIC..51	53.03.0165		DIL 20-PIN	ANY
	XIC..52	53.03.0165		DIL 20-PIN	ANY
	XIC..53	53.03.0165		DIL 20-PIN	ANY
	XIC..54	53.03.0169		DIL 24-PIN	ANY
	XIC..55	53.03.0169		DIL 24-PIN	ANY
	XIC..56	53.03.0169		DIL 24-PIN	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

REMARKS : NOTE L : FACTORY PROGRAMMED AND PAIRED WITH PCM 53 JG-1

MANUFACTURERS:

St = STUDER	HMI = MONOLYTHICS MEMORIES
Ph = PHILIPS	AMD = ADVANCED MICRO DEVICES
ITT = ITT	MOT = MOTOROLA
BEY = BEYSCHLAG	PMI = PRECISIONS MONOLYTHICS
HA = HARRIS	SIG = SIGNETICS
BB = BURR-BROWN	TI = TEXAS INSTRUMENTS

ABBREVIATIONS:

CER = CERAMIC / EL = ELECTROLYTIC / PP = POLYPROPILENFOIL
MPC = METAL POLYCARBONAT / XIC = IC SOCKET / E = UNIT RESISTANCE

ORIG 85/11/29

PUBLISHED: 09/86

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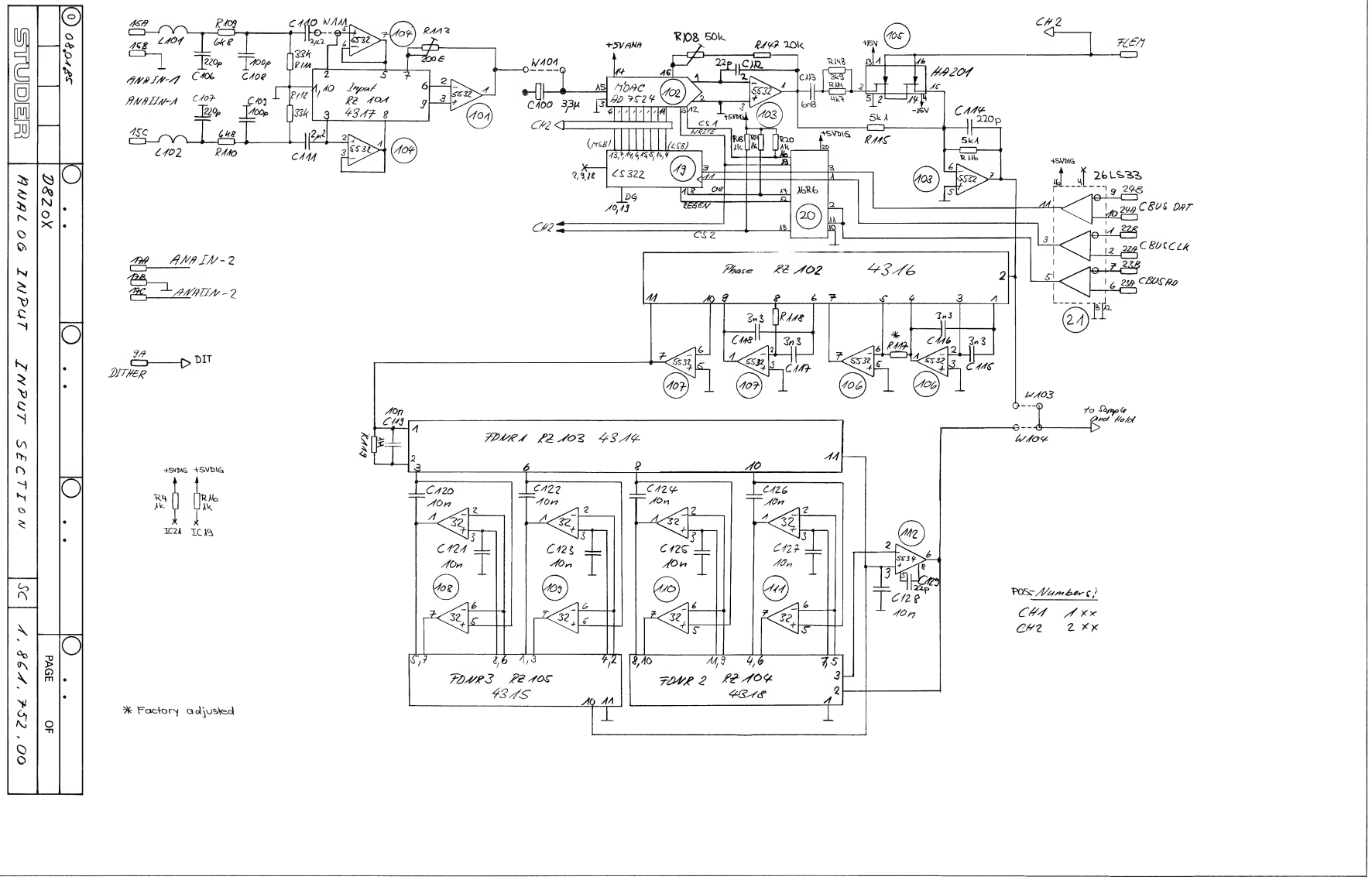

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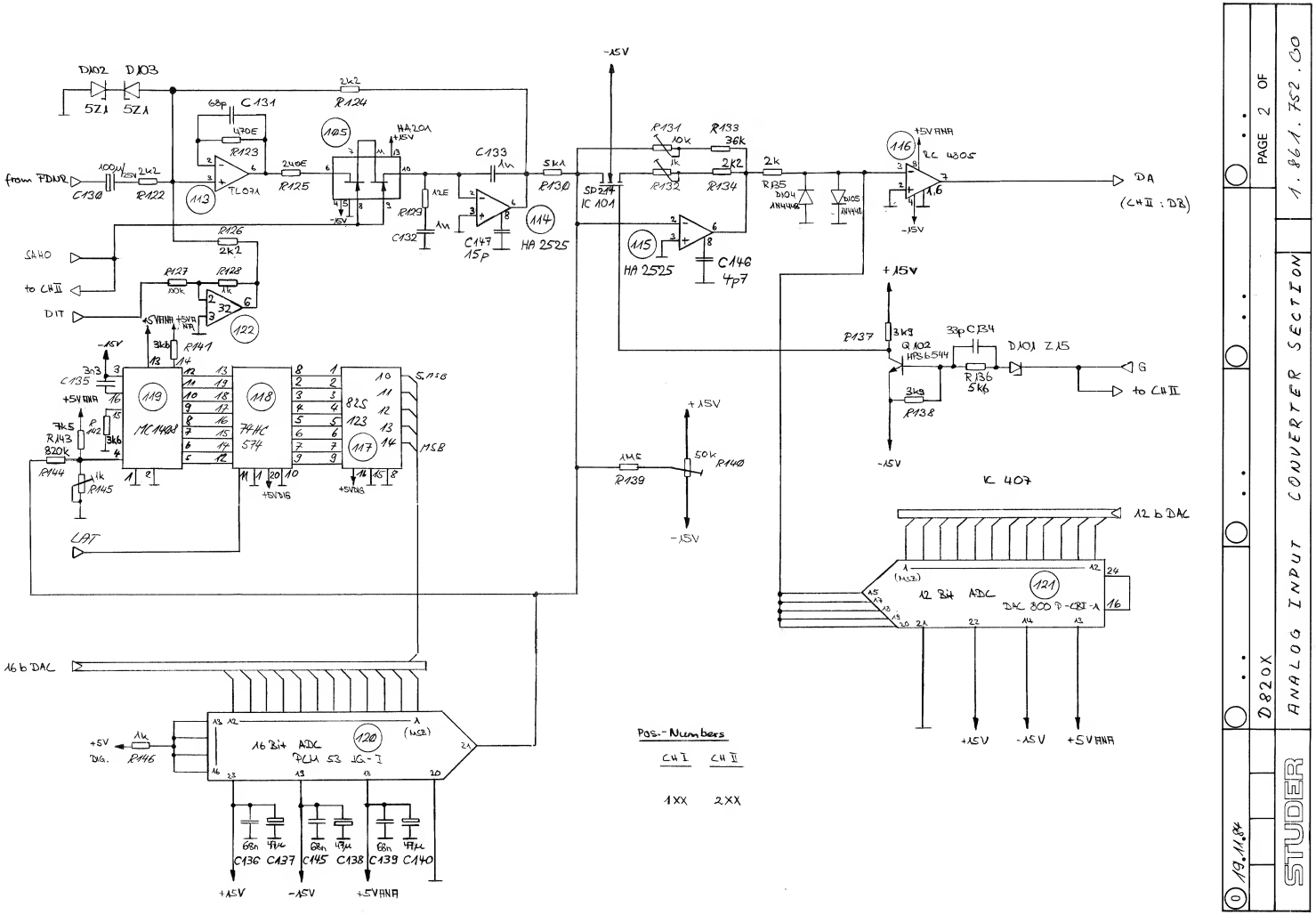

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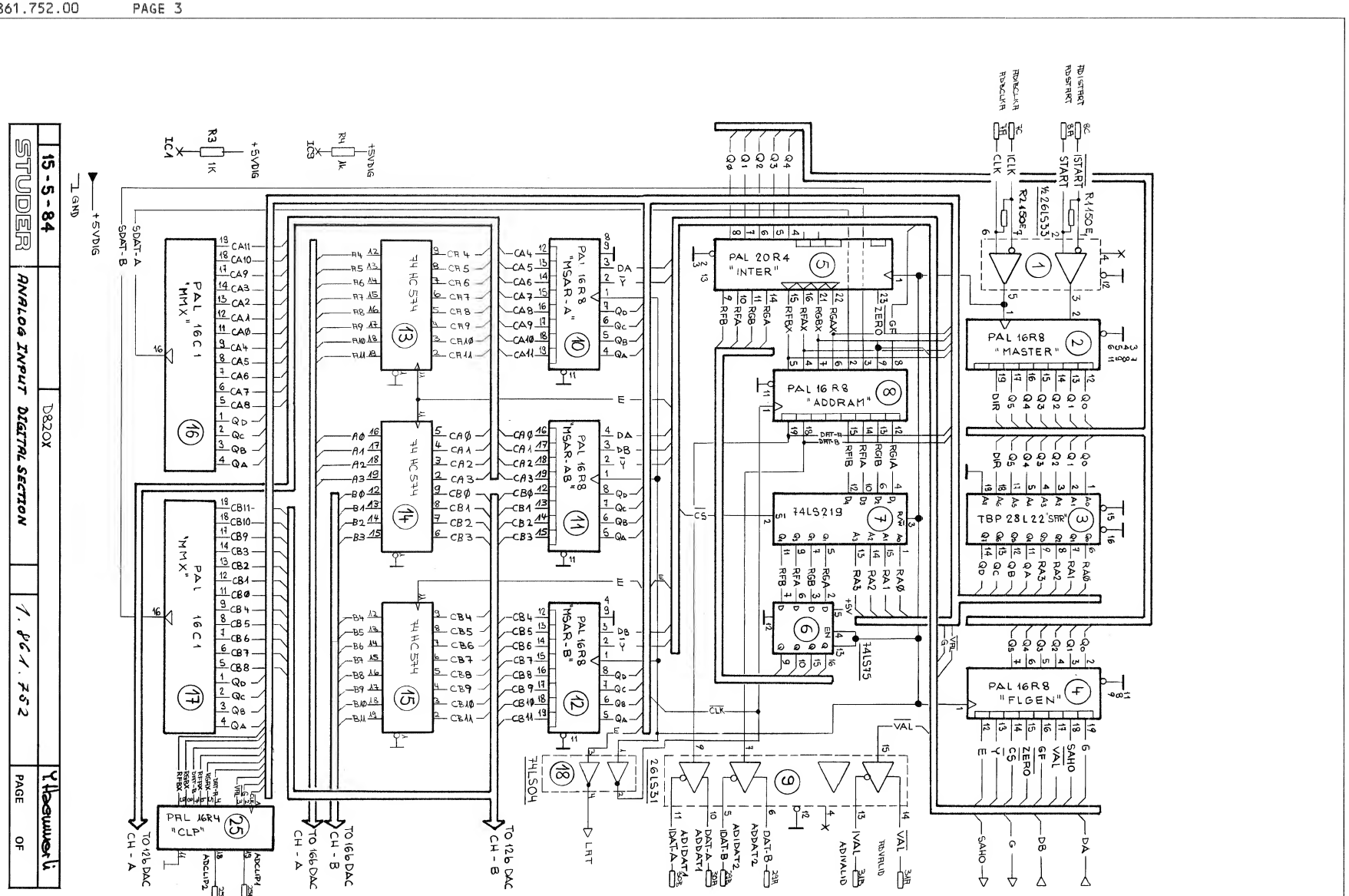

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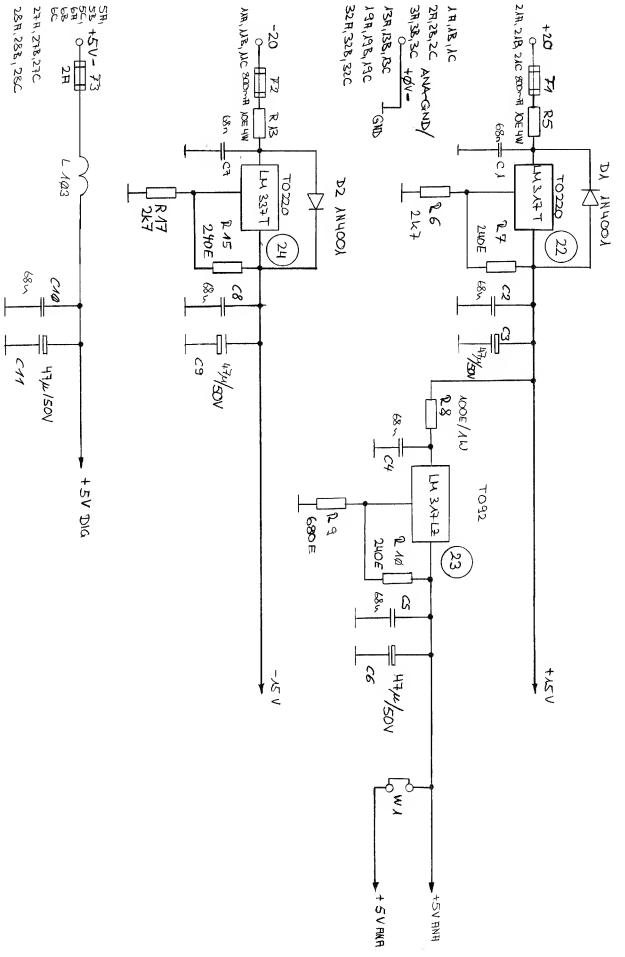
ANALOG INPUT 1.861.752.00 **PAGE 4**



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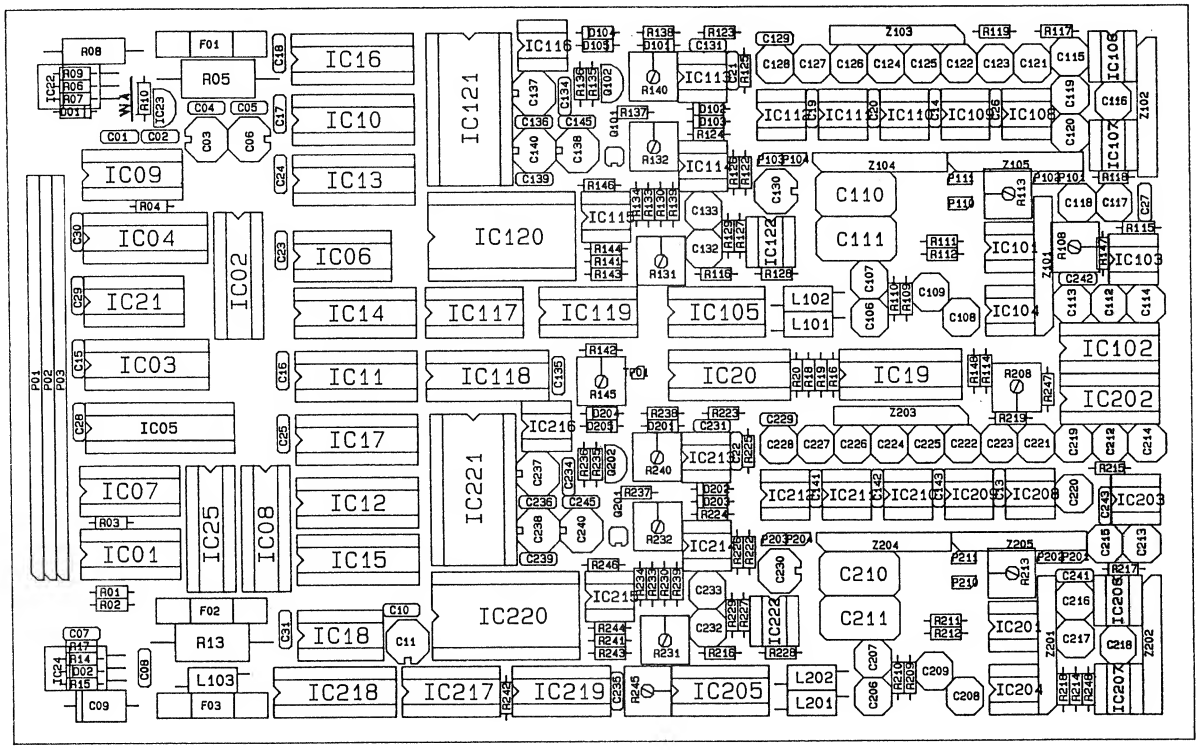
ANALOG INPUT 1.861.752.00 **PAGE 5**



INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	D...101	50.04.1119		Z-DIODE, 15V, 10%	ANY
	D...102	50.04.1112		Z-DIODE, 5.1V, 10%	ANY
	D...103	50.04.1112		Z-DIODE, 5.1V, 10%	ANY
	D...104	50.04.0125		1N 4448	ANY
	D...105	50.04.0125		1N 4448	ANY
	D...201	50.04.1119		Z-DIODE, 15V, 10%	ANY
	D...202	50.04.1112		Z-DIODE, 5.1V, 10%	ANY
	D...203	50.04.1112		Z-DIODE, 5.1V, 10%	ANY
	D...204	50.04.0125		1N 4448	ANY
	D...205	50.04.0125		1N 4448	ANY
	F.....1	51.01.0116		SLOW BLOW, 0.8A	ANY
	F.....2	51.01.0116		SLOW BLOW, 0.8A	ANY
	F.....3	51.01.0120		SLOW BLOW, 2A	ANY
	IC....1	50.15.0109		AM 26 LS 33 PC	AMD
	IC....2	50.18.0012		PAL 16 R 8 A-2CN (186144720)	MMI
	IC....3	50.17.1114		TBP 28 L 22 N (186144920)	MMI
	IC....4	50.18.0012		PAL 16 R 8 A-2CN (186144620)	MMI
	IC....5	50.18.0014		PAL 20 R 4 A (186144120)	MMI
	IC....6	50.06.0075		SN 74 LS 75	ANY
	IC....7	50.14.0129		SN 74 LS 219A, RAM	ANY
	IC....8	50.18.0012		PAL 16 R 8 A-2CN (186144520)	MMI
	IC....9	50.15.0108		AM 26 LS 31 PC	AMD
	IC...10	50.18.0012		PAL 16 R 8 A-2CN (186144220)	MMI
	IC...11	50.18.0012		PAL 16 R 8 A-2CN (186144320)	MMI
	IC...12	50.18.0012		PAL 16 R 8 A-2CN (186144420)	MMI
	IC...13	50.17.1574		74 HC 574	ANY
	IC...14	50.17.1574		74 HC 574	ANY
	IC...15	50.17.1574		74 HC 574	ANY
	IC...16	50.18.0017		PAL 16 C 1-2CN (186144820)	MMI
	IC...17	50.18.0017		PAL 16 C 1-2CN (186144620)	MMI
	IC...18	50.06.0004		SN 74 LS 04 N	ANY
	IC...19	50.06.0322		SN 74 LS 322 N	ANY
	IC...20	50.18.0011		PAL 16 R 6 A2 CN (186145020)	MMI
	IC...21	50.15.0109		AM 26 LS 33 PC	AMD
	IC...22	50.10.0104		LM 317 T, TO 220	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIEICATIONS / EQUIVALENT	MANUE.
	IC...23	50.10.0108		LM 317 LZ, TO 92	ANY
	IC...24	50.10.0105		LM 337 T+ TO 220	ANY
	IC...25	50.18.0010		PAL 16 R 4 A2 CN (186145120)	MMI
	IC..101	50.09.0106		NE 5532 AN	ANY
	IC..102	50.07.0002		AD 7524 JN	AD
	IC..103	50.09.0106		NE 5532 AN	ANY
	IC..104	50.09.0106		NE 5532 AN	ANY
	IC..105	50.17.0101		HA 201-HS-5	HA
	IC..106	50.09.0106		NE 5532 AN	ANY
	IC..107	50.09.0106		NE 5532 AN	ANY
	IC..108	50.09.0106		NE 5532 AN	ANY
	IC..109	50.09.0106		NE 5532 AN	ANY
	IC..110	50.09.0106		NE 5532 AN	ANY
	IC..111	50.09.0106		NE 5532 AN	ANY
	IC..112	50.05.0244		NE 5534 AN	ANY
	IC..113	50.09.0103		TL 071	ANY
	IC..114	50.05.0244		NE 5534 AN	ANY
	IC..115	50.09.0109		HA7-2525-5	HA
	IC..116	50.11.0126		RC 4805 COMPARATOR	RAY
	IC..117	50.05.0206		N 82 S 123 N (NOTE 1) (186144020)MMI+SIG	
	IC..118	50.17.1574		74 HC 574	ANY
	IC..119	50.99.0123		MC 1408	PMI+MOT
	IC..120	50.19.0103		PCM 53 JG-I	BB
	IC..121	50.19.0104		OAC 800 -C81-I	BB
	IC..201	50.09.0106		NE 5532 AN	ANY
	IC..202	50.07.0002		AD 7524 JN	AD
	IC..203	50.09.0106		NE 5532 AN	ANY
	IC..204	50.09.0106		NE 5532 AN	ANY
	IC..205	50.17.0101		HA 201-HS-5	HA
	IC..206	50.09.0106		NE 5532 AN	ANY
	IC..207	50.09.0106		NE 5532 AN	ANY
	IC..208	50.09.0106		NE 5532 AN	ANY
	IC..209	50.09.0106		NE 5532 AN	ANY
	IC..210	50.09.0106		NE 5532 AN	ANY
	IC..211	50.09.0106		NE 5532 AN	ANY
	IC..212	50.05.0244		NE 5534 AN	ANY
	IC..213	50.09.0103		TL 071	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.99.0205	68n	20%, 30V, CER	ANY
	C.....2	59.99.0205	68n	20%, 30V, CER	ANY
	C.....3	59.22.5470	47u	20%, 25V, EL	ANY
	C.....4	59.99.0205	68n	20%, 30V, CER	ANY
	C.....5	59.99.0205	68n	20%, 30V, CER	ANY
	C.....6	59.22.5470	47u	20%, 25V, EL	ANY
	C.....7	59.99.0205	68n	20%, 30V, CER	ANY
	C.....8	59.99.0205	68n	20%, 30V, CER	ANY
	C.....9	59.25.4470	47u	20%, 25V, EL	ANY
	C....10	59.99.0205	68n	20%, 30V, CER	ANY
	C....11	59.22.5470	47u	20%, 25V, EL	ANY
	C....13	59.99.0205	68n	20%, 30V, CER	ANY
	C....14	59.99.0205	68n	20%, 30V, CER	ANY
	C....15	59.99.0205	68n	20%, 30V, CER	ANY
	C....16	59.99.0205	68n	20%, 30V, CER	ANY
	C....17	59.99.0205	68n	20%, 30V, CER	ANY
	C....18	59.99.0205	68n	20%, 30V, CER	ANY
	C....19	59.99.0205	68n	20%, 30V, CER	ANY
	C....20	59.99.0205	68n	20%, 30V, CER	ANY
	C....21	59.99.0205	68n	20%, 30V, CER	ANY
	C....22	59.99.0205	68n	20%, 30V, CER	ANY
	C....23	59.99.0205	68n	20%, 30V, CER	ANY
	C....24	59.99.0205	68n	20%, 30V, CER	ANY
	C....25	59.99.0205	68n	20%, 30V, CER	ANY
	C....26	59.99.0205	68n	20%, 30V, CER	ANY
	C....27	59.99.0205	68n	20%, 30V, CER	ANY
	C....28	59.99.0205	68n	20%, 30V, CER	ANY
	C....29	59.99.0205	68n	20%, 30V, CER	ANY
	C....30	59.99.0205	68n	20%, 30V, CER	ANY
	C....31	59.99.0205	68n	20%, 30V, CER	ANY
	C....106	59.05.1221	220p	1%, 30V, PP	ANY
	C....107	59.05.1221	220p	1%, 30V, PP	ANY
	C....108	59.05.1101	100p	1%, 30V, PP	ANY
	C....109	59.05.1101	100p	1%, 30V, PP	ANY
	C....110	59.02.0225	2.2u	10%, 30V, MPC	ANY
	C....111	59.02.0225	2.2u	10%, 30V, MPC	ANY
	C....112	59.34.2330	33p	5%, 30V, CER	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....113	59.05.1682	6.8n	1%, 30V, PP	ANY
	C....114	59.05.1221	220p	1%, 30V, PP	ANY
	C....115	59.05.1332	3.3n	1%, 30V, PP	ANY
	C....116	59.05.1332	3.3n	1%, 30V, PP	ANY
	C....117	59.05.1332	3.3n	1%, 30V, PP	ANY
	C....118	59.05.1332	3.3n	1%, 30V, PP	ANY
	C....119	59.05.1103	10n	1%, 30V, PP	ANY
	C....120	59.05.1103	10n	1%, 30V, PP	ANY
	C....121	59.05.1103	10n	1%, 30V, PP	ANY
	C....122	59.05.1103	10n	1%, 30V, PP	ANY
	C....123	59.05.1103	10n	1%, 30V, PP	ANY
	C....124	59.05.1103	10n	1%, 30V, PP	ANY
	C....125	59.05.1103	10n	1%, 30V, PP	ANY
	C....126	59.05.1103	10n	1%, 30V, PP	ANY
	C....127	59.05.1103	10n	1%, 30V, PP	ANY
	C....128	59.05.1103	10n	1%, 30V, PP	ANY
	C....129	59.34.2220	22p	5%, 30V, CER	ANY
	C....130	59.22.5101	100u	20%, 30V, EL	ANY
	C....131	59.34.4680	68p	5%, 30V, CER	ANY
	C....132	59.05.1102	1n	1%, 30V, PP	ANY
	C....133	59.05.1102	1n	1%, 30V, PP	ANY
	C....134	59.34.2330	33p	5%, 30V, CER	ANY
	C....135	59.32.2332	3.3n	10%, 30V, CER	ANY
	C....136	59.99.0205	68n	20%, 30V, CER	ANY
	C....137	59.22.5470	47u	20%, 30V, EL	ANY
	C....138	59.22.5470	47u	20%, 30V, EL	ANY
	C....139	59.99.0205	68n	20%, 30V, CER	ANY
	C....140	59.22.5470	47u	20%, 30V, EL	ANY
	C....141	59.99.0205	68n	20%, 30V, CER	ANY
	C....142	59.99.0205	68n	20%, 30V, CER	ANY
	C....143	59.99.0205	68n	20%, 30V, CER	ANY
	C....145	59.99.0205	68n	20%, 30V, CER	ANY
	C....206	59.05.1221	220p	1%, 30V, PP	ANY
	C....207	59.05.1221	220p	1%, 30V, PP	ANY
	C....208	59.05.1101	100p	1%, 30V, PP	ANY
	C....209	59.05.1101	100p	1%, 30V, PP	ANY
	C....210	59.02.0225	2.2u	5%, 30V, MPC	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIEICATIONS / EQUIVALENT	MANUE.
	C....211	59.02.0225	2.2u	5%, 30V, MPC	ANY
	C....212	59.34.2330	33p	5%, 30V, CER	ANY
	C....213	59.05.1682	6.8n	1%, 30V, PP	ANY
	C....214	59.05.1221	220p	1%, 30V, PP	ANY
	C....215	59.05.1332	3.3n	1%, 30V, PP	ANY
	C....216	59.05.1332	3.3n	1%, 30V, PP	ANY
	C....217	59.05.1332	3.3n	1%, 30V, PP	ANY
	C....218	59.05.1332	3.3n	1%, 30V, PP	ANY
	C....219	59.05.1103	10n	1%, 30V, PP	ANY
	C....220	59.05.1103	10n	1%, 30V, PP	ANY
	C....221	59.05.1103	10n	1%, 30V, PP	ANY
	C....222	59.05.1103	10n	1%, 30V, PP	ANY
	C....223	59.05.1103	10n	1%, 30V, PP	ANY
	C....224	59.05.1103	10n	1%, 30V, PP	ANY
	C....225	59.05.1103	10n	1%, 30V, PP	ANY
	C....226	59.05.1103	10n	1%, 30V, PP	ANY
	C....227	59.05.1103	10n	1%, 30V, PP	ANY
	C....228	59.05.1103	10n	1%, 30V, PP	ANY
	C....229	59.34.2220	22p	5%, 30V, CER	ANY
	C....230	59.22.5101	100u	20%, 30V, EL	ANY
	C....231	59.34.4680	68p	5%, 30V, CER	ANY
	C....232	59.05.1102	1n	1%, 30V, PP	ANY
	C....233	59.05.1102	1n	1%, 30V, PP	ANY
	C....234	59.34.2330	33p	5%, 30V, CER	ANY
	C....235	59.32.2332	3.3n	10%, 30V, CER	ANY
	C....236	59.99.0205	68n	20%, 30V, CER	ANY
	C....237	59.22.5470	47u	20%, 30V, EL	ANY
	C....238	59.22.5470	47u	20%, 30V, EL	ANY
	C....239	59.99.0205	68n	20%, 30V, CER	ANY
	C....240	59.22.5470	47u	20%, 30V, EL	ANY
	C....241	59.99.0205	68n	20%, 30V, CER	ANY
	C....242	59.99.0205	68n	20%, 30V, CER	ANY
	C....243	59.99.0205	68n	20%, 30V, CER	ANY
	C....245	59.99.0205	68n	20%, 30V, CER	ANY
	D.....1	50.04.0122		1N 4001, 1A	ANY
	D.....2	50.04.0122		1N 4001, 1A	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC...214	50.05.0244		NE 5534 AN	ANY
	IC...215	50.09.0109		HA7-2525-5	HA
	IC...216	50.11.0126		RC 4805 COMPARATOR	RAY
	IC...217	50.05.0206		N 82 S 123 N (NOTE 1) (186145220)MMI+SIG	
	IC...218	50.17.1574		74 HC 574	ANY
	IC...219	50.99.0123		MC 1408	PMI+MOT
	IC...220	50.19.0103		PCM 53 JG-I	BB
	IC...221	50.19.0104		OAC 800 -C81-I	BB
	L....101	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L....102	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L....103	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L....201	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L....202	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....2	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....3	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....4	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....5	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....6	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....7	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....8	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....9	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...10	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...11	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...12	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...13	28.21.1370	1 PCS	RIVETING NUT, 02.2595.5	ANY
	MP...14	28.21.1370	1 PCS	RIVETING NUT, 02.2595.5	ANY
	MP...15	28.21.1370	1 PCS	RIVETING NUT, 02.2595.5	ANY
	MP...16	28.99.0119	1 PCS	RIVETING NUT, 02.5*0.15*10	ANY
	MP...17	28.99.0119	1 PCS	RIVETING NUT, 02.5*0.15*10	ANY
	MP...18	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP...19	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP...20	1.010.096.49	1 PCS	TRANSPARENT COVER	ANY
	MP...21	1.861.750.03	1 PCS	STAND-OFF, M2.5*4.5	ANY
	MP...22	1.861.750.03	1 PCS	STAND-OFF, M2.5*4.5	ANY

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INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...23	1.861.753.03	1 PCS	STAND-OFF, M2.5*4.5	ANY
	MP...24	1.861.750.03	1 PCS	STAND-OFF, M2.5*4.5	ANY
	MP...25	1.861.750.01	1 PCS	METAL PLATE	ANY
	MP...26	1.861.752.07	1 PCS	INSULATOR	ANY
	MP...27	1.861.752.11	1 PCS	PCB	St
	MP...28	1.861.752.01	1 PCS	NAME PLATE, 6.3*91	St
	MP...29	1.861.752.02	1 PCS	HEATSINK	St
	MP...30	1.861.779.03		STAND-OFF M2.5*9	St
	MP...31	1.861.779.03		STAND-OFF M2.5*9	St
	NP...32	1.010.114.51		LABEL "FUSE 1800mA"	St
	MP...33	1.010.114.51		LABEL "FUSE 1800mA"	St
	MP...34	1.010.118.51		LABEL "FUSE T2A"	St
	MP...35	1.101.001.20		LABEL "HARDWARE -20"	St
	NP...36	43.01.0108		ESE-LABEL	ANY
	MP...37	37.01.0101		LOCK WASHER, D 3.2/8*0.3	ANY
	MP...38	37.01.0101		LOCK WASHER, D 3.2/8*0.3	ANY
	MP...39	37.01.0101		LOCK WASHER, D 3.2/8*0.3	ANY
	MP...40	37.01.0101		LOCK WASHER, D 3.2/8*0.3	ANY
	MP...41	50.20.0305		INSULATOR TO-220+ GREASED	ANY
	MP...42	50.20.0305		INSULATOR TO-220+ GREASED	ANY
	MP...43	50.70.0404		FEED-THROUGH, INSULATED	ANY
	MP...44	50.20.0404		FEED-THROUGH, INSULATED	ANY
	MP...45	21.01.0354		SCREW, CYLIN.-HEAD, M3*6	ANY
	MP...46	21.01.0354		SCREW, CYLIN.-HEAD, M3*6	ANY
	P.....1	54.01.0358		CARD CONNECTOR, 3*32 EURO SOLDERING	ANY
	P.....2	54.02.0320		TEST-POINT	ANY
	Q...101	50.11.0106		SO 214 D	ANY
	Q...102	50.03.0327		MPS 6544	ANY
	Q...201	50.11.0106		SO 214 D	ANY
	Q...202	50.03.0327		MPS 6544	ANY
	R.....1	57.11.4151	150	5%	ANY
	R.....2	57.11.4151	150	5%	ANY
	R.....3	57.11.4102	1k	5%	ANY
	R.....4	57.11.4102	1k	5%	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R.....5	57.56.5100	10E	4W	ANY
	R.....6	57.11.3272	2.7k	1%	ANY
	R.....7	57.11.3241	240E	1%	ANY
	R.....8	57.13.4101	100E	1W	ANY
	R.....9	57.11.3681	680E	1%	ANY
	R....10	57.11.3241	240E	1%	ANY
	R....11	57.11.4000	0E		ANY
	R....13	57.56.5100	10E	4W	ANY
	R....14	57.11.3272	2.7k	1%	ANY
	R....15	57.11.3241	240E	1%	ANY
	R....16	57.11.4102	1k	5%	ANY
	R....18	57.11.4102	1k	5%	ANY
	R....19	57.11.4102	1k	5%	ANY
	R....20	57.11.4102	1k	5%	ANY
	R....108	58.01.8503	50k		ANY
	R....109	57.11.3682	6.8k	1%	ANY
	R....110	57.11.3682	6.8k	1%	ANY
	R....111	57.11.4333	33k	2%	ANY
	R....112	57.11.4333	33k	2%	ANY
	R....113	58.01.8201	200E		ANY
	R....114	57.11.3472	4.7k	1%	ANY
	R....115	57.11.3512	5.1k	1%	ANY
	R....116	57.11.3512	5.1k	1%	ANY
	R....117			FACTORY ADJUSTED (FROM 51k TO 62k)	ANY
	R....118	57.11.3122	1.2k	1%	ANY
	R....119	57.11.4105	1M	5%	ANY
	R....122	57.11.4222	2.2k	2%	ANY
	R....123	57.11.4471	470E	2%	ANY
	R....124	57.11.4222	2.2k	2%	ANY
	R....125	57.11.3241	240E	2%	ANY
	R....129	57.11.4120	12E	2%	ANY
	R....130	57.11.3512	5.1k	2%	ANY
	R....131	58.01.8103	10k		ANY
	R....132	58.01.8102	1k		ANY
	R....133	57.11.3363	36k	2%	ANY
	R....134	57.11.4222	2.2k	2%	ANY
	R....135	57.11.3202	2k	2%	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....136	57.11.4562	5.6k	2%	ANY
	R....137	57.11.4392	3.9k	2%	ANY
	R....138	57.11.4392	3.9k	2%	ANY
	R....139	57.11.5155	1.5M	5%	ANY
	R....140	58.01.8503	50k		ANY
	R....141	57.11.3362	3.6k	1%	ANY
	R....142	57.11.3362	3.6k	1%	ANY
	R....143	57.11.3752	7.5k	2%	ANY
	R....144	57.11.4824	820k	2%	ANY
	R....145	58.01.8201	200E	PMG	ANY
	R....146	57.11.4102	1k	2%	ANY
	R....147	57.11.3203	20k	2%	ANY
	R....148	57.11.3392	3.9k	1%	ANY
	R....208	58.01.8503	50k		ANY
	R....209	57.11.3682	6.8k	1%	ANY
	R....210	57.11.3682	6.8k	1%	ANY
	R....211	57.11.4333	33k	2%	ANY
	R....212	57.11.4333	33k	2%	ANY
	R....213	58.01.8201	200E		ANY
	R....214	57.11.3472	4.7k	1%	ANY
	R....215	57.11.3512	5.1k	1%	ANY
	R....216	57.11.3512	5.1k	1%	ANY
	R....217			FACTORY ADJUSTED (FROM 51k to 62k)	ANY
	R....218	57.11.3122	1.2k	1%	ANY
	R....219	57.11.4105	1M	5%	ANY
	R....222	57.11.4222	2.2k	2%	ANY
	R....223	57.11.4471	470E	2%	ANY
	R....224	57.11.4222	2.2k	2%	ANY
	R....225	57.11.3241	240E	2%	ANY
	R....229	57.11.4120	12E	2%	ANY
	R....230	57.11.3512	5.1k	2%	ANY
	R....231	58.01.8103	10k		ANY
	R....232	58.01.8102	1k		ANY
	R....233	57.11.3363	36k	2%	ANY
	R....234	57.11.4222	2.2k	2%	ANY
	R....235	57.11.3202	2k	2%	ANY
	R....236	57.11.4562	5.6k	2%	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....237	57.11.4392	3.9k	2%	ANY
	R....238	57.11.4392	3.9k	2%	ANY
	R....239	57.11.5195	1.5N	5%	ANY
	R....240	58.01.8503	50k		ANY
	R....241	57.11.3362	3.6k	1%	ANY
	R....242	57.11.3362	3.6k	1%	ANY
	R....243	57.11.3752	7.5k	2%	ANY
	R....244	57.11.4824	820k	2%	ANY
	R....245	58.01.8201	200E	PMG	ANY
	R....246	57.11.4102	1k	2%	ANY
	R....247	57.11.3203	20k	2%	ANY
	R....248	57.11.3392	3.9k	1%	ANY
	RZ..101	1.010.018.57		RZ NW 4317, INPUT	Bey
	RZ..102	1.010.019.57		RZ NW 4316, PHASE	Bey
	RZ..103	1.010.015.57		RZ NW 4314, FONR 1	Bey
	RZ..104	1.010.016.57		RZ NW 4318, FONR 2	Bey
	RZ..105	1.010.017.57		RZ NW 4315, FONR 3	Bey
	RZ..201	1.010.018.57		RZ NW 4317, INPUT	Bey
	RZ..202	1.010.019.57		RZ NW 4316, PHASE	Bey
	RZ..203	1.010.015.57		RZ NW 4314, FONR 1	Bey
	RZ..204	1.010.016.57		RZ NW 4318, FONR 2	Bey
	RZ..205	1.010.017.57		RZ NW 4315, FONR 3	Bey
	W....102	64.01.0106		JUMPER WIRE	ANY
	W....104	64.01.0106		JUMPER WIRE	ANY
	W....111	64.01.0106		JUMPER WIRE	ANY
	W....202	64.01.0106		JUNPER WIRE	ANY
	W....204	64.01.0106		JUMPER WIRE	ANY
	W....211	64.01.0106		JUNPER WIRE	ANY
	W....212	1.861.752.94		CABLE-LIST WITH 2 CABLES	ST
	XF....1	53.03.0142		CLAMP	ANY
	XF....2	53.03.0142		CLAMP	ANY
	XF....3	53.03.0142		CLAMP	ANY
	XF....4	53.03.0142		CLAMP	ANY
	XF....5	53.03.0142		CLAMP	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XF....6	53.03.0142		CLAMP	ANY
	XIC...1	53.03.0166		DIL 8-PIN	ANY
	XIC...2	53.03.0166		DIL 8-PIN	ANY
	XIC...3	53.03.0166		DIL 8-PIN	ANY
	XIC...4	53.03.0166		DIL 8-PIN	ANY
	XIC...5	53.03.0166		DIL 8-PIN	ANY
	XIC...6	53.03.0166		DIL 8-PIN	ANY
	XIC...7	53.03.0166		DIL 8-PIN	ANY
	XIC...8	53.03.0166		DIL 8-PIN	ANY
	XIC...9	53.03.0166		DIL 8-PIN	ANY
	XIC..10	53.03.0166		DIL 8-PIN	ANY
	XIC..11	53.03.0166		DIL 8-PIN	ANY
	XIC..12	53.03.0166		DIL 8-PIN	ANY
	XIC..13	53.03.0166		DIL 8-PIN	ANY
	XIC..14	53.03.0166		DIL 8-PIN	ANY
	XIC..15	53.03.0166		DIL 8-PIN	ANY
	XIC..16	53.03.0166		DIL 8-PIN	ANY
	XIC..17	53.03.0166		DIL 8-PIN	ANY
	XIC..18	53.03.0166		DIL 8-PIN	ANY
	XIC..19	53.03.0166		DIL 8-PIN	ANY
	XIC..20	53.03.0166		DIL 8-PIN	ANY
	XIC..21	53.03.0166		DIL 8-PIN	ANY
	XIC..22	53.03.0166		DIL 8-PIN	ANY
	XIC..23	53.03.0166		DIL 8-PIN	ANY
	XIC..24	53.03.0166		DIL 8-PIN	ANY
	XIC..25	53.03.0166		DIL 8-PIN	ANY
	XIC..26	53.03.0166		DIL 8-PIN	ANY
	XIC..27	53.03.0166		DIL 8-PIN	ANY
	XIC..28	53.03.0166		DIL 8-PIN	ANY
	XIC..29	53.03.0166		DIL 8-PIN	ANY
	XIC..33	53.03.0167		DIL 14-PIN	ANY
	XIC..34	53.03.0168		DIL 16-PIN	ANY
	XIC..35	53.03.0168		DIL 16-PIN	ANY
	XIC..36	53.03.0168		DIL 16-PIN	ANY
	XIC..37	53.03.0168		DIL 16-PIN	ANY
	XIC..38	53.03.0168		DIL 16-PIN	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC..39	53.03.0168		DIL 16-PIN	ANY
	XIC..40	53.03.0168		DIL 16-PIN	ANY
	XIC..41	53.03.0168		DIL 16-PIN	ANY
	XIC..42	53.03.0168		DIL 16-PIN	ANY
	XIC..43	53.03.0168		DIL 16-PIN	ANY
	XIC..44	53.03.0168		DIL 16-PIN	ANY
	XIC..45	53.03.0168		DIL 16-PIN	ANY
	XIC..46	53.03.0168		DIL 16-PIN	ANY
	XIC..47	53.03.0168		DIL 16-PIN	ANY
	XIC..48	53.03.0165		DIL 20-PIN	ANY
	XIC..49	53.03.0165		DIL 20-PIN	ANY
	XIC..50	53.03.0165		DIL 20-PIN	ANY
	XIC..51	53.03.0165		DIL 20-PIN	ANY
	XIC..52	53.03.0165		DIL 20-PIN	ANY
	XIC..53	53.03.0165		DIL 20-PIN	ANY
	XIC..54	53.03.0165		DIL 20-PIN	ANY
	XIC..55	53.03.0165		DIL 20-PIN	ANY
	XIC..56	53.03.0165		DIL 20-PIN	ANY
	XIC..57	53.03.0165		DIL 20-PIN	ANY
	XIC..58	53.03.0165		DIL 20-PIN	ANY
	XIC..59	53.03.0165		DIL 20-PIN	ANY
	XIC..60	53.03.0165		DIL 20-PIN	ANY
	XIC..61	53.03.0165		DIL 20-PIN	ANY
	XIC..62	53.03.0165		DIL 20-PIN	ANY
	XIC..63	53.03.0165		DIL 20-PIN	ANY
	XIC..64	53.03.0165		DIL 20-PIN	ANY
	XIC..65	53.03.0169		DIL 24-PIN	ANY
	XIC..66	53.03.0169		DIL 24-PIN	ANY
	XIC..67	53.03.0169		DIL 24-PIN	ANY
	XIC..68	53.03.0169		DIL 24-PIN	ANY

REMARKS: NOTE 1 : FACTORY PROGRAMMED AND PAIRED WITH PCM 53 JG-I

MANUFACTURERS:

St = STUDER	MMI = MONOLITHICS MEMORIES
Bey = BEYSCHLAG	AMD = ADVANCED MICRO DEVICES
PH = PHILIPS	PMI = PRECISION MONOLITHICS
BB = BURR-BROWN	MOT = MOTOROLA
AD = ANALOG DEVICE	RAY = RAYTHEON
HA = HARRIS	SIG = SIGNETICS

ABBREVIATIONS:

CER = CERAMIC / EL = ELECTROLYTIC / PP = POLYPROPYLENFOIL
NPC = METAL POLYCARBONAT / XIC = IC SOCKET / XF = CLAMP FOR FUSES

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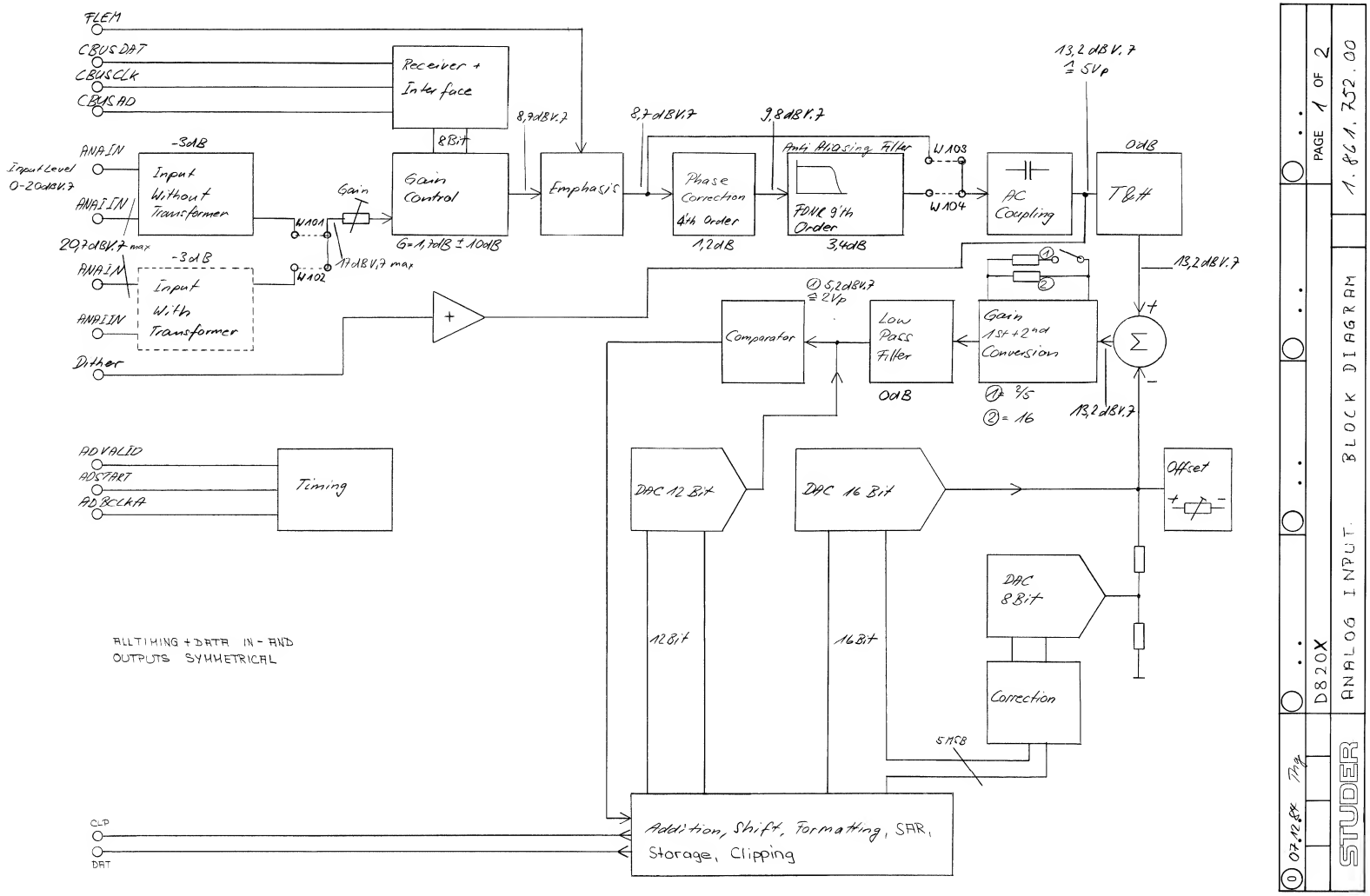
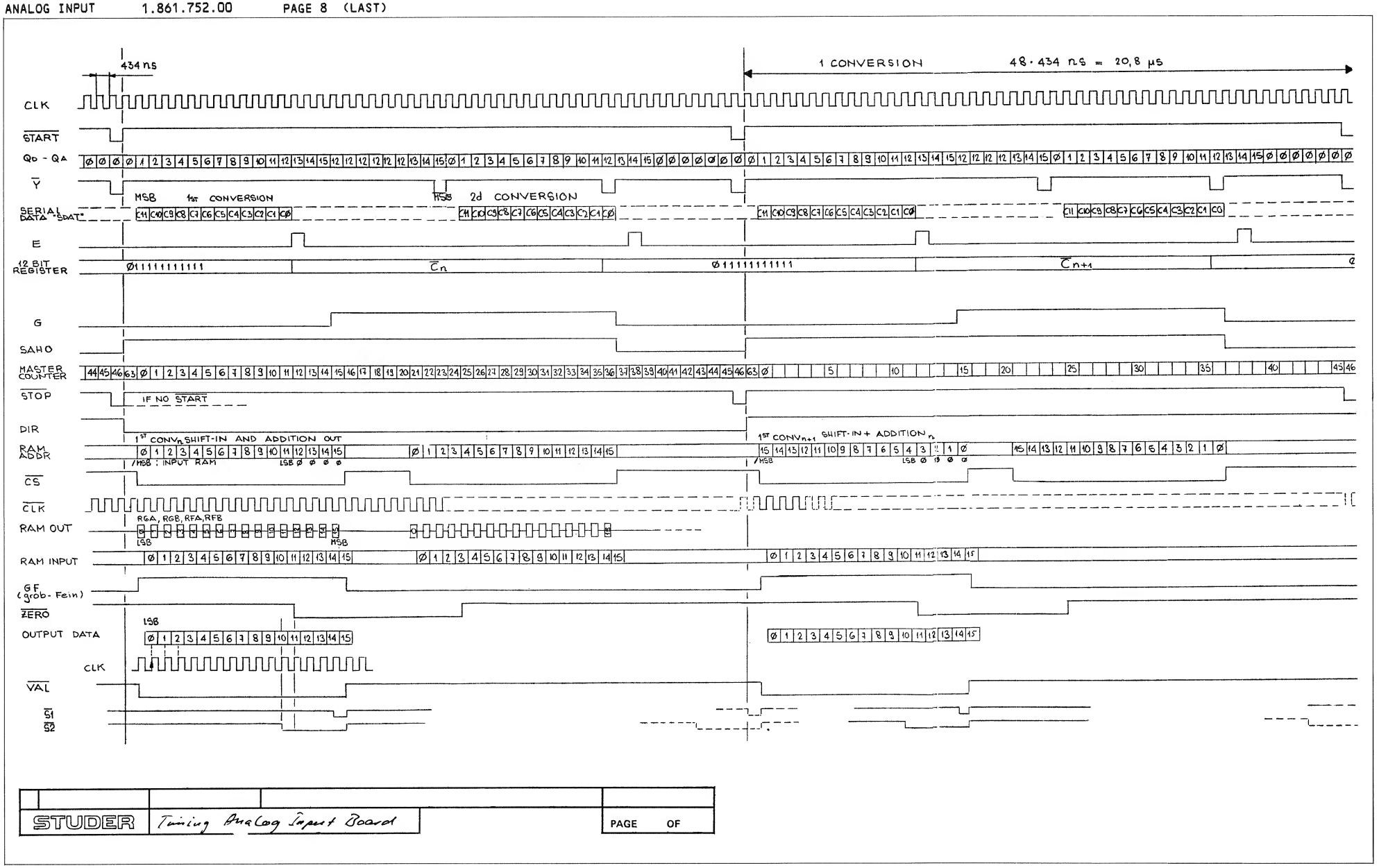


ANALOG INPUT 1.861.752.00 PAGE 8 (LAST)



STUDER	Timing Analog Input Board		PAGE OF

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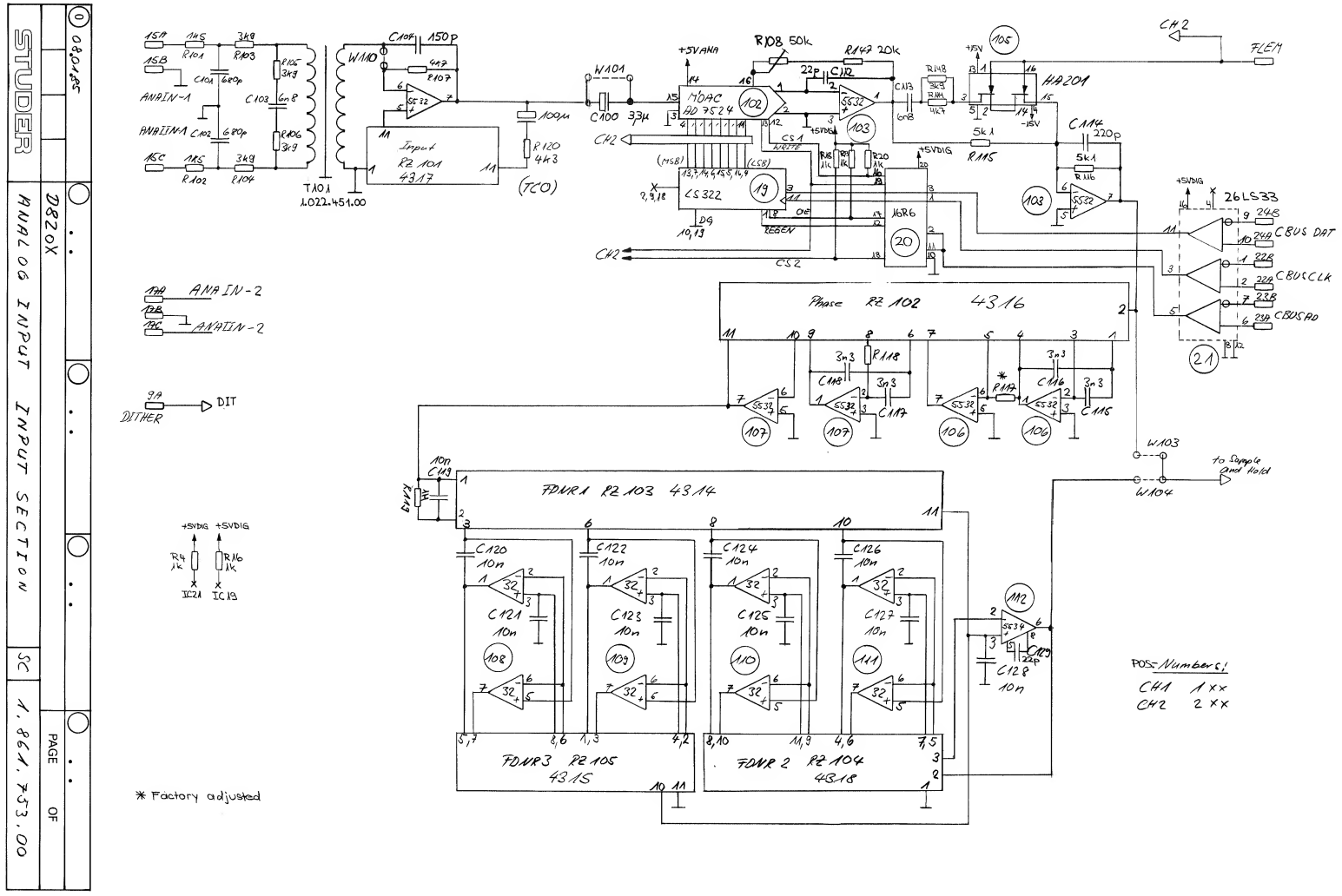
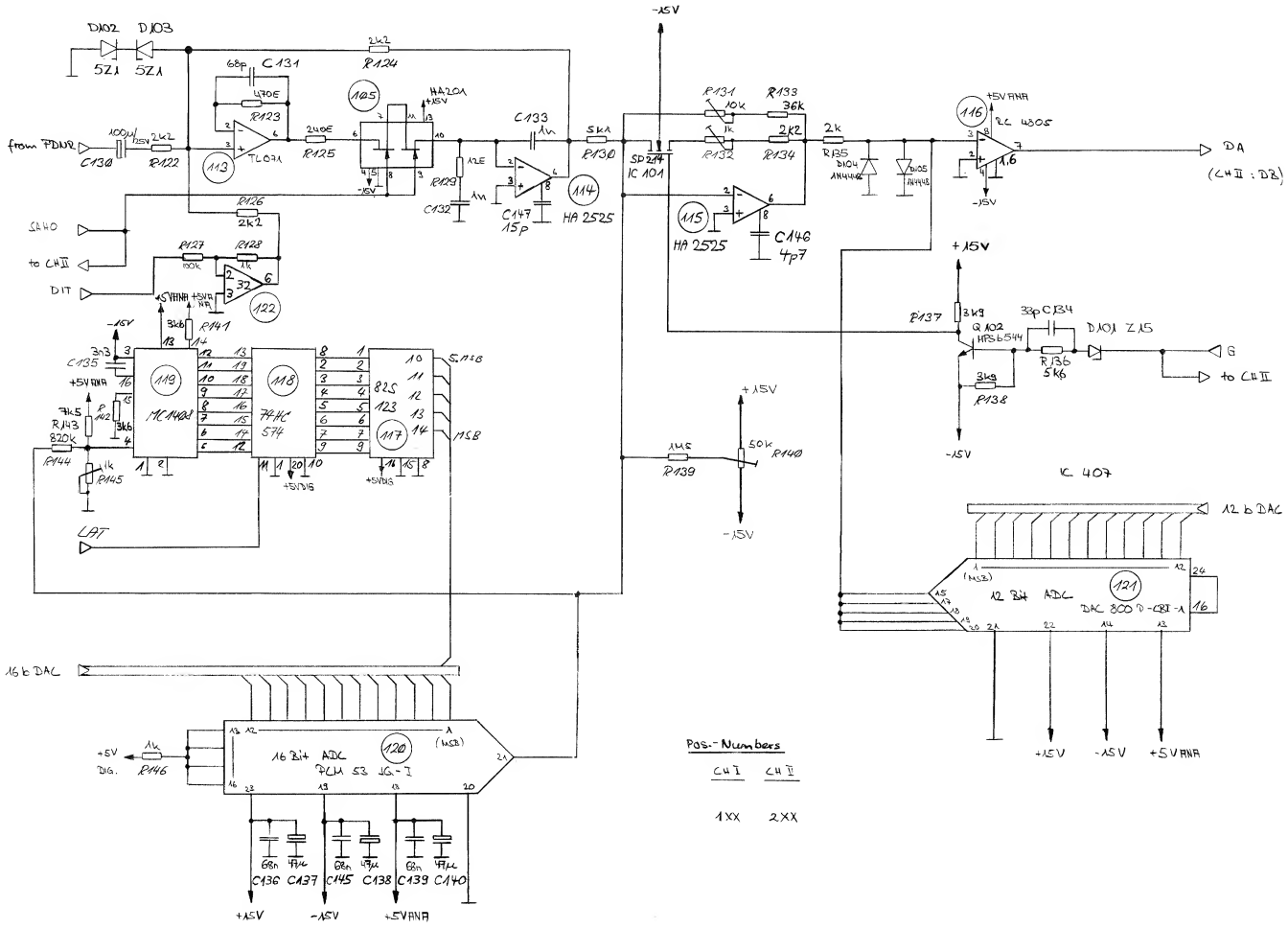
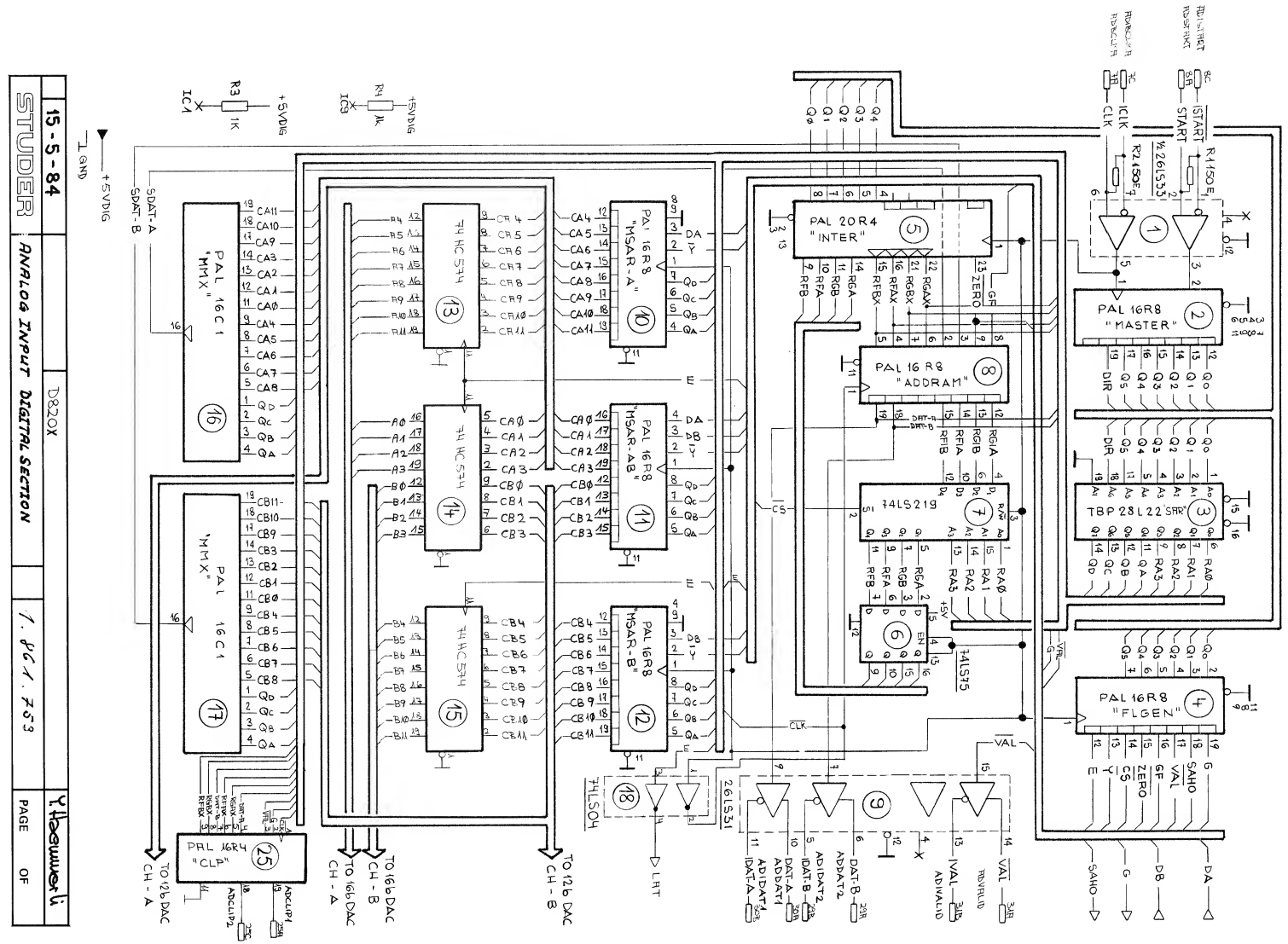
ANALOG INPUT 1.861.753.00 PAGE 1



ANALOG INPUT 1.861.753.00 PAGE 2



ANALOG INPUT 1.861.753.00 PAGE 3



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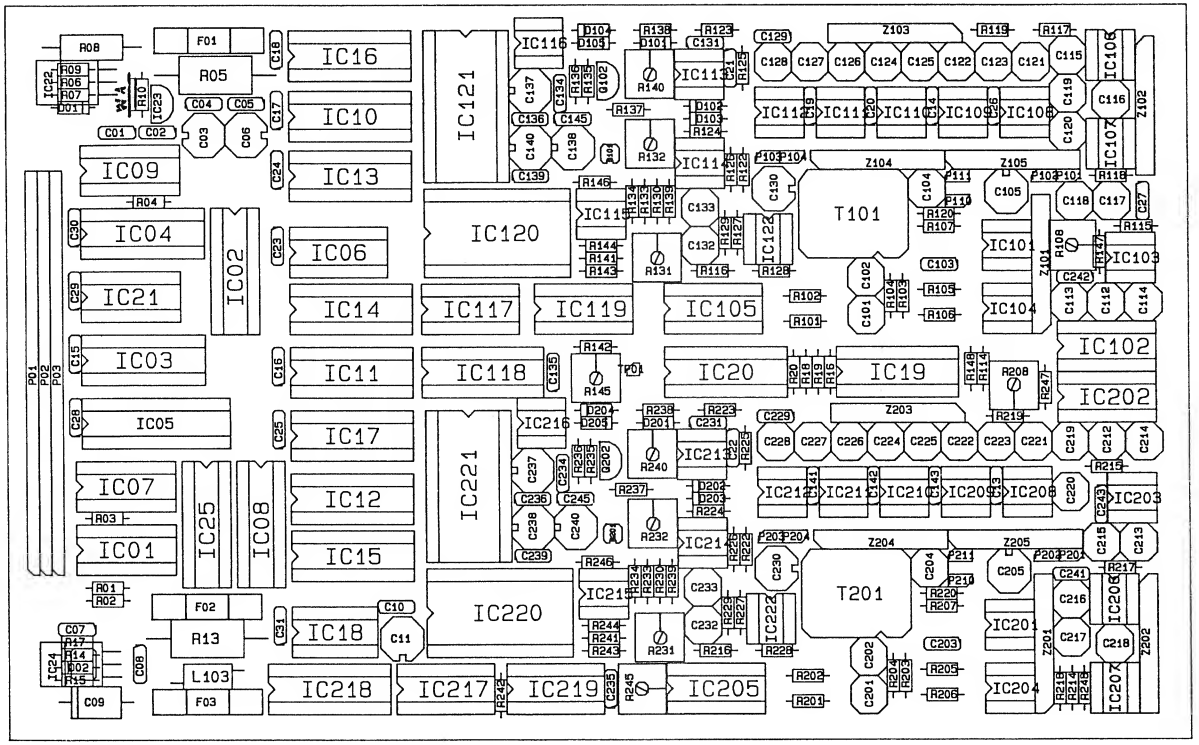

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT		MANUF.
	0...103	50.04.1112		Z-01006, 5.1V, 10%		ANY
	0...104	50.04.0125		1N 4448		ANY
	0...105	50.04.0125		1N 4448		ANY
	0...201	50.04.1119		Z-01006, 15V, 10%		ANY
	0...202	50.04.1112		Z-01006, 5.1V, 10%		ANY
	0...203	50.04.1112		Z-01006, 5.1V, 10%		ANY
	0...204	50.04.0125		1N 4448		ANY
	0...205	50.04.0125		1N 4448		ANY
	F.....1	51.01.0116		SLOW BLOW, 0.8A		ANY
	F.....2	51.01.0116		SLOW BLOW, 0.8A		ANY
	F.....3	51.01.0120		SLOW BLOW, 2A		ANY
	IC....1	50.15.0109		AM 26 LS 33 PC		AMD
	IC....2	50.18.0012		PAL 16 R 8 A-2CN	(186144720)	MMI
	IC....3	50.14.0114		TBP 26 L 22 N	(186144920)	MMI
	IC....4	50.18.0012		PAL 16 R 8 A-2CN	(186144620)	MMI
	IC....5	50.18.0014		PAL 20 R 4 A	(186144120)	MMI
	IC....6	50.06.0075		SN 74 LS 75		ANY
	IC....7	50.14.0129		SN 74 LS 219A, RAM		ANY
	IC....8	50.18.0012		PAL 16 R 8 A-2CN	(186144520)	MMI
	IC....9	50.15.0108		AM 26 LS 31 PC		AMD
	IC....10	50.18.0012		PAL 16 R 8 A-2CN	(186144220)	MMI
	IC....11	50.18.0012		PAL 16 R 8 A-2CN	(186144320)	MMI
	IC....12	50.18.0012		PAL 16 R 8 A-2CN	(186144420)	MMI
	IC....13	50.17.1574		74 HC 574		ANY
	IC....14	50.17.1574		74 HC 574		ANY
	IC....15	50.17.1574		74 HC 574		ANY
	IC....16	50.18.0017		PAL 16 C 1-2CN	(186144820)	MMI
	IC....17	50.18.0017		PAL 16 C 1-2CN	(186144820)	MMI
	IC....18	50.06.0004		SN 74 LS 04 N		ANY
	IC....19	50.06.0322		SN 74 LS 322 N		ANY
	IC....20	50.18.0011		PAL 16 R 6 A2 CN	(186145020)	MMI
	IC....21	50.15.0109		AM 26 LS 33 PC		AMD
	IC....22	50.10.0104		LM 317 T, TO 220		ANY
	IC....23	50.10.0108		LM 317 LZ, TO 92		ANY
	IC....24	50.10.0105		LM 337 T, TO 220		ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT		MANUF.
	IC....25	50.18.0010		PAL 16 R 4 A2 CN	(186145120)	MMI
	IC...101	50.09.0106		NE 5532 AN		ANY
	IC...102	50.07.0002		AD 7524 JN		AD
	IC...103	50.09.0106		NE 5532 AN		ANY
	IC...105	50.17.0101		HA 201-HS-5		HA
	IC...106	50.09.0106		NE 5532 AN		ANY
	IC...107	50.09.0106		NE 5532 AN		ANY
	IC...108	50.09.0106		NE 5532 AN		ANY
	IC...109	50.09.0106		NE 5532 AN		ANY
	IC...110	50.09.0106		NE 5532 AN		ANY
	IC...111	50.09.0106		NE 5532 AN		ANY
	IC...112	50.05.0244		NE 5534 AN		ANY
	IC...113	50.09.0103		TL 071		ANY
	IC...114	50.05.0244		NE 5534 AN		ANY
	IC...115	50.09.0109		HA7-2525-5		HA
	IC...116	50.11.0126		RC 4805 COMPARATOR		RAY
	IC...117	50.05.0206		N 82 S 123 N (NOTE 1)	(186144020)	MMI+SIG
	IC...118	50.17.1574		74 HC 574		ANY
	IC...119	50.99.0123		MC 1408		PMI+MOT
	IC...120	50.19.0103		PCM 53 JG-I		BB
	IC...121	50.19.0104		DAC 800 -C81-1		BB
	IC...201	50.09.0106		NE 5532 AN		ANY
	IC...202	50.07.0002		AD 7524 JN		AD
	IC...203	50.09.0106		NE 5532 AN		ANY
	IC...205	50.17.0101		HA 201-HS-5		HA
	IC...206	50.09.0106		NE 5532 AN		ANY
	IC...207	50.09.0106		NE 5532 AN		ANY
	IC...208	50.09.0106		NE 5532 AN		ANY
	IC...209	50.09.0106		NE 5532 AN		ANY
	IC...210	50.09.0106		NE 5532 AN		ANY
	IC...211	50.09.0106		NE 5532 AN		ANY
	IC...212	50.05.0244		NE 5534 AN		ANY
	IC...213	50.09.0103		TL 071		ANY
	IC...214	50.05.0244		NF 5534 AN		ANY
	IC...215	50.09.0109		HA7-2525-5		HA
	IC...216	50.11.0126		RC 4805 COMPARATOR		RAY
	IC...217	50.05.0206		N 82 S 123 N (NOTE 1)	(186145220)	SIG+MMI

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.99.0205	68n	20%, 30V, CER	ANY
	C.....2	59.99.0205	68n	20%, 30V, CER	ANY
	C.....3	59.22.5470	47u	20%, 25V, EL	ANY
	C.....4	59.99.0205	68n	20%, 30V, CER	ANY
	C.....5	59.99.0205	68n	20%, 30V, CER	ANY
	C.....6	59.22.5470	47u	20%, 25V, EL	ANY
	C.....7	59.99.0205	68n	20%, 30V, CER	ANY
	C.....8	59.99.0205	68n	20%, 30V, CER	ANY
	C.....9	59.25.4470	47u	20%, 25V, EL	ANY
	C....10	59.99.0205	68n	20%, 30V, CER	ANY
	C....11	59.22.5470	47u	20%, 25V, EL	ANY
	C....13	59.99.0205	68n	20%, 30V, CER	ANY
	C....14	59.99.0205	68n	20%, 30V, CER	ANY
	C....15	59.99.0205	68n	20%, 30V, CER	ANY
	C....16	59.99.0205	68n	20%, 30V, CER	ANY
	C....17	59.99.0205	68n	20%, 30V, CER	ANY
	C....18	59.99.0205	68n	20%, 30V, CER	ANY
	C....19	59.99.0205	68n	20%, 30V, CER	ANY
	C....20	59.99.0205	68n	20%, 30V, CER	ANY
	C....21	59.99.0205	68n	20%, 30V, CER	ANY
	C....22	59.99.0205	68n	20%, 30V, CER	ANY
	C....23	59.99.0205	68n	20%, 30V, CER	ANY
	C....24	59.99.0205	68n	20%, 30V, CER	ANY
	C....25	59.99.0205	68n	20%, 30V, CER	ANY
	C....26	59.99.0205	68n	20%, 30V, CER	ANY
	C....27	59.99.0205	68n	20%, 30V, CER	ANY
	C....28	59.99.0205	68n	20%, 30V, CER	ANY
	C....29	59.99.0205	68n	20%, 30V, CER	ANY
	C....30	59.99.0205	68n	20%, 30V, CER	ANY
	C....31	59.99.0205	68n	20%, 30V, CER	ANY
	C...101	59.05.1681	680p	1%, 30V, PP	ANY
	C...102	59.05.1681	680p	1%, 30V, PP	ANY
	C...103	59.06.5682	6.8n	5%, 30V, PETP	ANY
	C...104	59.05.2331	330p	2.5%, 30V, PP	ANY
	C...105	59.22.5101	100u	20%, 25V, EL	ANY
	C...112	59.34.2330	33p	5%, 30V, CER	ANY
	C...113	59.05.1682	6.8n	1%, 30V, PP	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C...114	59.05.1221	220p	1%, 30V, PP	ANY
	C...115	59.05.1332	3.3n	1%, 30V, PP	ANY
	C...116	59.05.1332	3.3n	1%, 30V, PP	ANY
	C...117	59.05.1332	3.3n	1%, 30V, PP	ANY
	C...118	59.05.1332	3.3n	1%, 30V, PP	ANY
	C...119	59.05.1103	10n	1%, 30V, PP	ANY
	C...120	59.05.1103	10n	1%, 30V, PP	ANY
	C...121	59.05.1103	10n	1%, 30V, PP	ANY
	C...122	59.05.1103	10n	1%, 30V, PP	ANY
	C...123	59.05.1103	10n	1%, 30V, PP	ANY
	C...124	59.05.1103	10n	1%, 30V, PP	ANY
	C...125	59.05.1103	10n	1%, 30V, PP	ANY
	C...126	59.05.1103	10n	1%, 30V, PP	ANY
	C...127	59.05.1103	10n	1%, 30V, PP	ANY
	C...128	59.05.1103	10n	1%, 30V, PP	ANY
	C...129	59.34.2220	22p	5%, 30V, CER	ANY
	C...130	59.22.5101	100u	20%, 30V, EL	ANY
	C...131	59.21.4680	68p	5%, 30V, CER	ANY
	C...132	59.05.1102	1n	1%, 30V, PP	ANY
	C...133	59.05.1102	1n	1%, 30V, PP	ANY
	C...134	59.34.2330	33p	5%, 30V, CER	ANY
	C...135	59.32.2332	3.3n	10%, 30V, CER	ANY
	C...136	59.99.0205	68n	20%, 30V, CER	ANY
	C...137	59.22.5470	47u	20%, 30V, EL	ANY
	C...138	59.22.5470	47u	20%, 30V, EL	ANY
	C...139	59.99.0205	68n	20%, 30V, CER	ANY
	C...140	59.22.5470	47u	20%, 30V, EL	ANY
	C...141	59.99.0205	68n	20%, 30V, CER	ANY
	C...142	59.99.0205	68n	20%, 30V, CER	ANY
	C...143	59.99.0205	68n	20%, 30V, CER	ANY
	C...145	59.99.0205	68n	20%, 30V, CER	ANY
	C...201	59.05.1681	680p	1%, 30V, PP	ANY
	C...202	59.05.1681	680p	1%, 30V, PP	ANY
	C...203	59.06.5682	6.8n	5%, 30V, PETP	ANY
	C...204	59.05.2331	330p	2.5%, 30V, PP	ANY
	C...205	59.22.5101	100u	20%, 25V, EL	ANY
	C...212	59.34.2330	33p	5%, 30V, CER	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C...213	59.05.1682	6.8n	1%, 30V, PP	ANY
	C...214	59.05.1221	220p	1%, 30V, PP	ANY
	C...215	59.05.1332	3.3n	1%, 30V, PP	ANY
	C...216	59.05.1332	3.3n	1%, 30V, PP	ANY
	C...217	59.05.1332	3.3n	1%, 30V, PP	ANY
	C...218	59.05.1332	3.3n	1%, 30V, PP	ANY
	C...219	59.05.1103	10n	1%, 30V, PP	ANY
	C...220	59.05.1103	10n	1%, 30V, PP	ANY
	C...221	59.05.1103	10n	1%, 30V, PP	ANY
	C...222	59.05.1103	10n	1%, 30V, PP	ANY
	C...223	59.05.1103	10n	1%, 30V, PP	ANY
	C...224	59.05.1103	10n	1%, 30V, PP	ANY
	C...225	59.05.1103	10n	1%, 30V, PP	ANY
	C...226	59.05.1103	10n	1%, 30V, PP	ANY
	C...227	59.05.1103	10n	1%, 30V, PP	ANY
	C...228	59.05.1103	10n	1%, 30V, PP	ANY
	C...229	59.34.2220	22p	5%, 30V, CER	ANY
	C...230	59.22.5101	100u	20%, 30V, EL	ANY
	C...231	59.34.4680	68p	5%, 30V, CER	ANY
	C...232	59.05.1102	1n	1%, 30V, PP	ANY
	C...233	59.05.1102	1n	1%, 30V, PP	ANY
	C...234	59.34.2330	33p	5%, 30V, CER	ANY
	C...235	59.32.2332	3.3n	10%, 30V, CER	ANY
	C...236	59.99.0205	68n	20%, 30V, CER	ANY
	C...237	59.22.5470	47u	20%, 30V, EL	ANY
	C...238	59.22.5470	47u	20%, 30V, EL	ANY
	C...239	59.99.0205	68n	20%, 30V, CER	ANY
	C...240	59.22.5470	47u	20%, 30V, EL	ANY
	C...241	59.99.0205	68n	20%, 30V, CER	ANY
	C...242	59.99.0205	68n	20%, 30V, CER	ANY
	C...243	59.99.0205	68n	20%, 30V, CER	ANY
	C...245	59.99.0205	68n	20%, 30V, CER	ANY
	D.....1	50.04.0122		1N 4001, 1A	ANY
	D.....2	50.04.0122		1N 4001, 1A	ANY
	D...101	50.04.1119		Z-01006, 15V, 10%	ANY
	D...102	50.04.1112		Z-01006, 5.1V, 10%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC...218	50.17.1574		74 HC 574	ANY
	IC...219	50.99.0123		MC 1408	MOT+PMI
	IC...220	50.19.0103		PCM 53 JG-I	BB
	IC...221	50.19.0104		DAC 800 -C81-1	BB
	L.....103	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L.....201	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L.....202	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5X4	ANY
	MP....2	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5X4	ANY
	MP....3	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5X6	ANY
	MP....4	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5X6	ANY
	MP....5	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5X4	ANY
	MP....6	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5X4	ANY
	MP....7	21.01.2777	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5X4	ANY
	MP....8	50.11.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5X4	ANY
	MP....9	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP....10	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP....11	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP....12	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP....13	28.21.1370	1 PCS	RIVETING NUT, D2.2595.5	ANY
	MP....14	28.21.1370	1 PCS	RIVETING NUT, D2.2595.5	ANY
	MP....15	28.21.1370	1 PCS	RIVETING NUT, D2.2595.5	ANY
	MP....16	28.99.0119	1 PCS	RIVETING NUT, D2.5901.15910	ANY
	MP....17	28.99.0119	1 PCS	RIVETING NUT, D2.5901.15910	ANY
	MP....18	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP....19	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP....20	10.0.096.49	1 PCS	TRANSPARENT COVER	ANY
	MP....21	1.861.750.03	1 PCS	STAND-OFF, M2.5X4.5	ANY
	MP....22	1.861.750.03	1 PCS	STAND-OFF, M2.5X4.5	ANY
	MP....23	1.861.750.03	1 PCS	STAND-OFF, M2.5X4.5	ANY
	MP....24	1.861.750.03	1 PCS	STAND-OFF, M2.5X4.5	ANY
	MP....25	1.861.750.01	1 PCS	METAL PLATE	ANY
	MP....26	1.861.750.02	1 PCS	INSULATOR	ANY
	MP....27	1.861.752.11	1 PCS	PCB	St
	MP....28	1.861.752.01	1 PCS	NAME PLATE, 6.3X91	St

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...29	1.861.752.02	1 PCS	HEATSINK	St
	MP...30	1.861.779.03		STAND-OFF M2.5x9	St
	MP...31	1.861.779.03		STAND-OFF M2.5x9	St
	MP...32	1.010.114.51		LABEL "FUSE T800mA"	St
	MP...33	1.010.114.51		LABEL "FUSE T800mA"	St
	MP...34	1.010.118.51		LABEL "FUSE T2A"	St
	MP...35	1.101.001.20		LABEL "HARDWARE -20"	St
	MP...36	43.01.0108		ESE-LABEL	ANY
	MP...37	37.01.0101		LOCK WASHER, D 3.2/8Ø0.3	ANY
	MP...38	37.01.0101		LOCK WASHER, D 3.2/8Ø0.3	ANY
	MP...39	37.01.0101		LOCK WASHER, D 3.2/8Ø0.3	ANY
	MP...40	37.01.0101		LOCK WASHER, D 3.2/8Ø0.3	ANY
	MP...41	50.20.0305		INSULATOR TO-220, GREASED	ANY
	MP...42	50.20.0305		INSULATOR TO-220, GREASED	ANY
	MP...43	50.20.0404		FEED-THROUGH, INSULATED	ANY
	MP...44	50.20.0404		FEED-THROUGH, INSULATED	ANY
	MP...45	21.01.0354		SCREW, CYLIN.-HEAD, M3Ø6	ANY
	MP...46	21.01.0354		SCREW, CYLIN.-HEAD, M3Ø6	ANY
	MP...47	1.022.400.03		INSULATOR	St
	MP...48	1.022.400.03		INSULATOR	St
	P.....1	54.01.0358		CARD CONNECTOR, 3Ø32 EURO SOLDERING	ANY
	P.....2	54.02.0320		TEST-POINT	ANY
	Q...101	50.11.0106		SD 214 D	ANY
	Q...102	50.D3.0327		MPS 6544	ANY
	Q...201	50.11.0106		SD 214 D	ANY
	Q...202	50.D3.0327		MPS 6544	ANY
	R.....1	57.11.4151	15Ø	5%	ANY
	R.....2	57.11.4151	15Ø	5%	ANY
	R.....3	57.11.4102	1k	5%	ANY
	R.....4	57.11.4102	1k	5%	ANY
	R.....5	57.56.5100	10E	4W	ANY
	R.....6	57.11.3272	2.7k	1%	ANY
	R.....7	57.11.3241	24ØE	1%	ANY
	R.....8	57.13.4101	100E	1W	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R...137	57.11.4392	3.9k	2%	ANY
	R...138	57.11.4392	3.9k	2%	ANY
	R...139	57.11.5155	1.5M	5%	ANY
	R...140	58.01.8503	50k		ANY
	R...141	57.11.3362	3.6k	1%	ANY
	R...142	57.11.3362	3.6k	1%	ANY
	R...143	57.11.3752	7.5k	2%	ANY
	R...144	57.11.4824	820k	2%	ANY
	R...145	58.01.8201	200E	PMG	ANY
	R...146	57.11.4102	1k	2%	ANY
	R...147	57.11.3203	20k	2%	ANY
	R...148	57.11.3392	3.9k	1%	ANY
	R...201	57.11.3152	1.5k	1%	ANY
	R...202	57.11.3152	1.5k	1%	ANY
	R...203	57.11.3392	3.9k	1%	ANY
	R...204	57.11.3392	3.9k	1%	ANY
	R...205	57.11.4392	3.9k	2%	ANY
	R...206	57.11.4392	3.9k	2%	ANY
	R...207	57.11.4472	4.7k	2%	ANY
	R...208	58.01.8503	50k		ANY
	R...214	57.11.3472	4.7k	1%	ANY
	R...215	57.11.3512	5.1k	1%	ANY
	R...216	57.11.3512	5.1k	1%	ANY
	R...217			EACTORY ADJUSTED (FROM 27k to 33k)	ANY
	R...218	57.11.3122	1.2k	1%	ANY
	R...219	57.11.4105	1M	5%	ANY
	R...220	57.11.3432	4.3k	1%	ANY
	R...222	57.11.4222	2.2k	2%	ANY
	R...223	57.11.4471	47Ø	2%	ANY
	R...224	57.11.4222	2.2k	2%	ANY
	R...225	57.11.3241	24ØE	2%	ANY
	R...229	57.11.4120	12E	2%	ANY
	R...230	57.11.3512	5.1k	2%	ANY
	R...231	58.01.8103	10k		ANY
	R...232	58.01.8102	1k		ANY
	R...233	57.11.3363	36k	2%	ANY
	R...234	57.11.4222	2.2k	2%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XF....1	53.03.0142		CLAMP	ANY
	XF....2	53.03.0142		CLAMP	ANY
	XF....3	53.03.0142		CLAMP	ANY
	XF....4	53.03.0142		CLAMP	ANY
	XF....5	53.03.0142		CLAMP	ANY
	XF....6	53.03.0142		CLAMP	ANY
	XIC...1	53.03.0166		DIL 8-PIN	ANY
	XIC...2	53.03.0166		DIL 8-PIN	ANY
	XIC...3	53.03.0166		DIL 8-PIN	ANY
	XIC...4	53.03.0166		DIL 8-PIN	ANY
	XIC...5	53.03.0166		DIL 8-PIN	ANY
	XIC...6	53.03.0166		DIL 8-PIN	ANY
	XIC...7	53.03.0166		DIL 8-PIN	ANY
	XIC...8	53.03.0166		DIL 8-PIN	ANY
	XIC...9	53.03.0166		DIL 8-PIN	ANY
	XIC..10	53.03.0166		DIL 8-PIN	ANY
	XIC..11	53.03.0166		DIL 8-PIN	ANY
	XIC..12	53.03.0166		DIL 8-PIN	ANY
	XIC..13	53.03.0166		DIL 8-PIN	ANY
	XIC..14	53.03.0166		DIL 8-PIN	ANY
	XIC..15	53.03.0166		DIL 8-PIN	ANY
	XIC..16	53.03.0166		DIL 8-PIN	ANY
	XIC..17	53.03.0166		DIL 8-PIN	ANY
	XIC..18	53.03.0166		DIL 8-PIN	ANY
	XIC..19	53.03.0166		DIL 8-PIN	ANY
	XIC..20	53.03.0166		DIL 8-PIN	ANY
	XIC..21	53.03.0166		DIL 8-PIN	ANY
	XIC..22	53.03.0166		DIL 8-PIN	ANY
	XIC..23	53.03.0166		DIL 8-PIN	ANY
	XIC..24	53.03.0166		DIL 8-PIN	ANY
	XIC..25	53.03.0166		DIL 8-PIN	ANY
	XIC..26	53.03.0166		DIL 8-PIN	ANY
	XIC..27	53.03.0166		DIL 8-PIN	ANY
	XIC..28	53.03.0166		DIL 8-PIN	ANY
	XIC..29	53.03.0166		DIL 8-PIN	ANY
	XIC..30	53.03.0166		DIL 8-PIN	ANY

REMARKS: NOTE 1 : FACTORY PROGRAMMED AND PAIRED WITH PCM 53 JG-1

MANUFACTURERS:

St = STUDER	MM1 = MONOLITHICS MEMORIES
Bey = BEYSCHLAG	AMD = ADVANCED MICRO DEVICES
Ph = PHILIPS	PM1 = PRECISION MONOLITHICS
BB = BURR-BROWN	MOT = MOTOROLA
AD = ANALOG DEVICE	RAY = RAYTHEON
HA = HARRIS	SIG = SIGNETICS

ABBREVIATIONS:

CER = CERAMIC / EL = ELECTROLYTIC / PP = POLYPROPYLENFOIL
MPC = METAL POLYCARBONAT / XIC = IC SOCKET / XF = CLAMP FOR FUSES

DRIG 85/11/29

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R.....9	57.11.3681	68DE	1%	ANY
	R.....10	57.11.3241	24ØE	1%	ANY
	R.....11	57.11.4000	ØE		ANY
	R.....13	57.56.5100	10E	4W	ANY
	R.....14	57.11.3272	2.7k	1%	ANY
	R.....15	57.11.3241	24ØE	1%	ANY
	R.....16	57.11.4102	1k	5%	ANY
	R.....18	57.11.4102	1k	5%	ANY
	R.....19	57.11.4102	1k	5%	ANY
	R.....20	57.11.4102	1k	5%	ANY
	R...101	57.11.3152	1.5k	1%	ANY
	R...102	57.11.3152	1.5k	1%	ANY
	R...103	57.11.3392	3.9k	1%	ANY
	R...104	57.11.3392	3.9k	1%	ANY
	R...105	57.11.4392	3.9k	2%	ANY
	R...106	57.11.4392	3.9k	2%	ANY
	R...107	57.11.4472	4.7k	2%	ANY
	R...108	58.01.8503	50k		ANY
	R...114	57.11.3472	4.7k	1%	ANY
	R...115	57.11.3512	5.1k	1%	ANY
	R...116	57.11.3512	5.1k	1%	ANY
	R...117			FACTORY ADJUSTED (FROM 27k TO 33k)	ANY
	R...118	57.11.3122	1.2k	1%	ANY
	R...119	57.11.4105	1M	5%	ANY
	R...120	57.11.3432	4.3k	1%	ANY
	R...122	57.11.4222	2.2k	2%	ANY
	R...123	57.11.4471	47ØE	2%	ANY
	R...124	57.11.4222	2.2k	2%	ANY
	R...125	57.11.3241	24ØE	2%	ANY
	R...129	57.11.4120	12E	2%	ANY
	R...130	57.11.3512	5.1k	2%	ANY
	R...131	58.01.8103	10k		ANY
	R...132	58.01.8102	1k		ANY
	R...133	57.11.3363	36k	2%	ANY
	R...134	57.11.4222	2.2k	2%	ANY
	R...135	57.11.3202	2k	2%	ANY
	R...136	57.11.4562	5.6k	2%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R...235	57.11.3202	2k	2%	ANY
	R...236	57.11.4562	5.6k	2%	ANY
	R...237	57.11.4392	3.9k	2%	ANY
	R...238	57.11.4392	3.9k	2%	ANY
	R...239	57.11.5155	1.5M	5%	ANY
	R...240	58.01.8503	50k		ANY
	R...241	57.11.3362	3.6k	1%	ANY
	R...242	57.11.3362	3.6k	1%	ANY
	R...243	57.11.3752	7.5k	2%	ANY
	R...244	57.11.4824	820k	2%	ANY
	R...245	58.01.8201	200E	PMG	ANY
	R...246	57.11.4102	1k	2%	ANY
	R...247	57.11.3203	20k	2%	ANY
	R...248	57.11.3392	3.9k	1%	ANY
	RZ..101	1.010.018.57		RZ NW 4317, INPUT	Bey
	RZ..102	1.010.019.57		RZ NW 4316, PHASE	Bey
	RZ..103	1.010.015.57		RZ NW 4314, FONR 1	Bey
	RZ..104	1.010.016.57		RZ NW 4318, FONR 2	Bey
	RZ..105	1.010.017.57		RZ NW 4315, FONR 3	Bey
	RZ..201	1.010.018.57		RZ NW 4317, INPUT	Bey
	RZ..202	1.010.019.57		RZ NW 4316, PHASE	Bey
	RZ..203	1.010.015.57		RZ NW 4314, FONR 1	Bey
	RZ..204	1.010.016.57		RZ NW 4318, FONR 2	Bey
	RZ..205	1.010.017.57		RZ NW 4315, FONR 3	Bey
	T...101	1.022.451.00		INPUTTRANSFORMER 1:0.62	St
	T...102	1.022.451.00		INPUTTRANSFORMER 1:0.62	St
	W...102	64.01.0106		JUMPER WIRE	ANY
	W...104	64.01.0106		JUMPER WIRE	ANY
	W...110	64.01.0106		JUMPER WIRE	ANY
	W...202	64.01.0106		JUMPER WIRE	ANY
	W...204	64.01.0106		JUMPER WIRE	ANY
	W...210	64.01.0106		JUMPER WIRE	ANY
	W...212	1.861.752.94		CABLE-LIST WITH 2 CABLES	St

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC..31	53.03.0166		DIL 8-PIN	ANY
	XIC..34	53.03.0167		DIL 14-PIN	ANY
	XIC..35	53.03.0168		DIL 16-PIN	ANY
	XIC..36	53.03.0168		DIL 16-PIN	ANY
	XIC..37	53.03.0168		DIL 16-PIN	ANY
	XIC..38	53.03.0168		DIL 16-PIN	ANY
	XIC..39	53.03.0168		DIL 16-PIN	ANY
	XIC..40	53.03.0168		DIL 16-PIN	ANY
	XIC..41	53.03.0168		DIL 16-PIN	ANY
	XIC..42	53.03.0168		DIL 16-PIN	ANY
	XIC..43	53.03.0168		DIL 16-PIN	ANY
	XIC..44	53.03.0168		DIL 16-PIN	ANY
	XIC..45	53.03.0168		DIL 16-PIN	ANY
	XIC..46	53.03.0168		DIL 16-PIN	ANY
	XIC..47	53.03.0168		DIL 16-PIN	ANY
	XIC..48	53.03.0165		DIL 20-PIN	ANY
	XIC..49	53.03.0165		DIL 20-PIN	ANY
	XIC..50	53.03.0165		DIL 20-PIN	ANY
	XIC..51	53.03.0165		DIL 20-PIN	ANY
	XIC..52	53.03.0165		DIL 20-PIN	ANY
	XIC..53	53.03.0165		DIL 20-PIN	ANY
	XIC..54	53.03.0165		DIL 20-PIN	ANY
	XIC..55	53.03.0165		DIL 20-PIN	ANY
	XIC..56	53.03.0165		DIL 20-PIN	ANY
	XIC..57	53.03.0165		DIL 20-PIN	ANY
	XIC..58	53.03.0165		DIL 20-PIN	ANY
	XIC..59	53.03.0165		DIL 20-PIN	ANY
	XIC..60	53.03.0165		DIL 20-PIN	ANY
	XIC..61	53.03.0165		DIL 20-PIN	ANY
	XIC..62	53.03.0165		DIL 20-PIN	ANY
	XIC..63	53.03.0165		DIL 20-PIN	ANY
	XIC..64	53.03.0169		DIL 24-PIN	ANY
	XIC..65	53.03.0169		DIL 24-PIN	ANY
	XIC..66	53.03.0169		DIL 24-PIN	ANY
	XIC..67	53.03.0169		DIL 24-PIN	ANY

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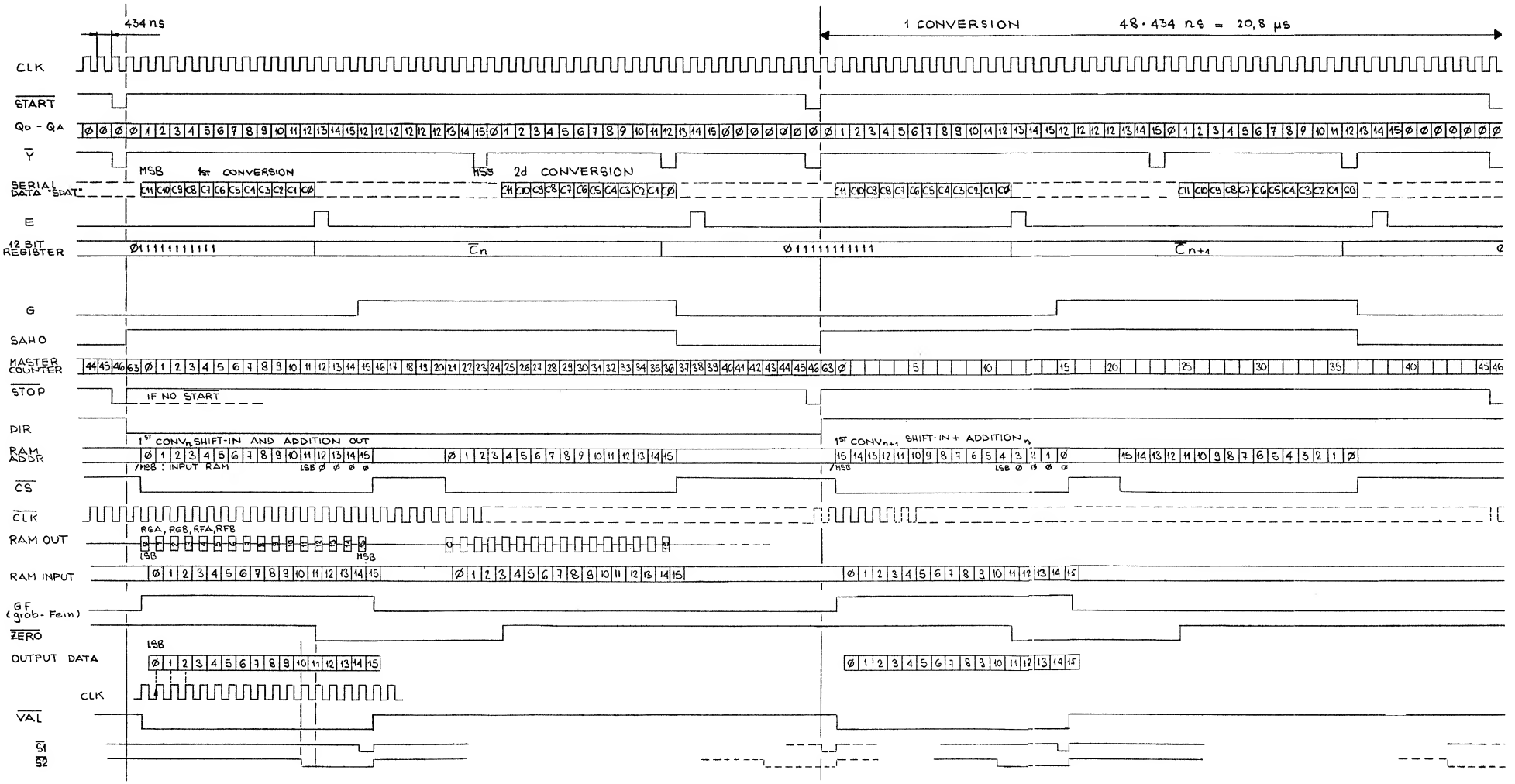
ANALOG INPUT 1.861.753.00 PAGE 6 (LAST)



STUDER	Timing Analog Input Board		PAGE OF

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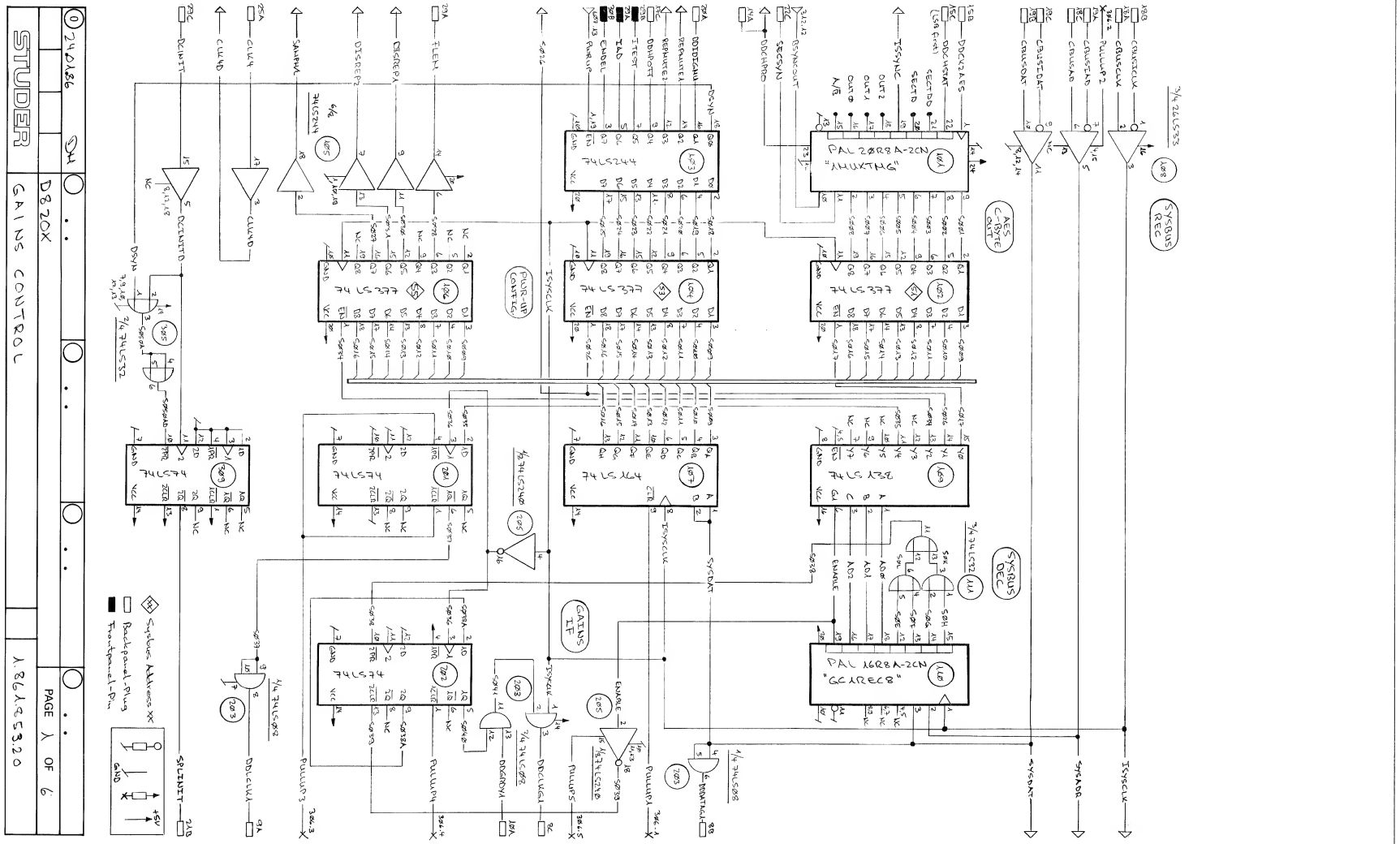

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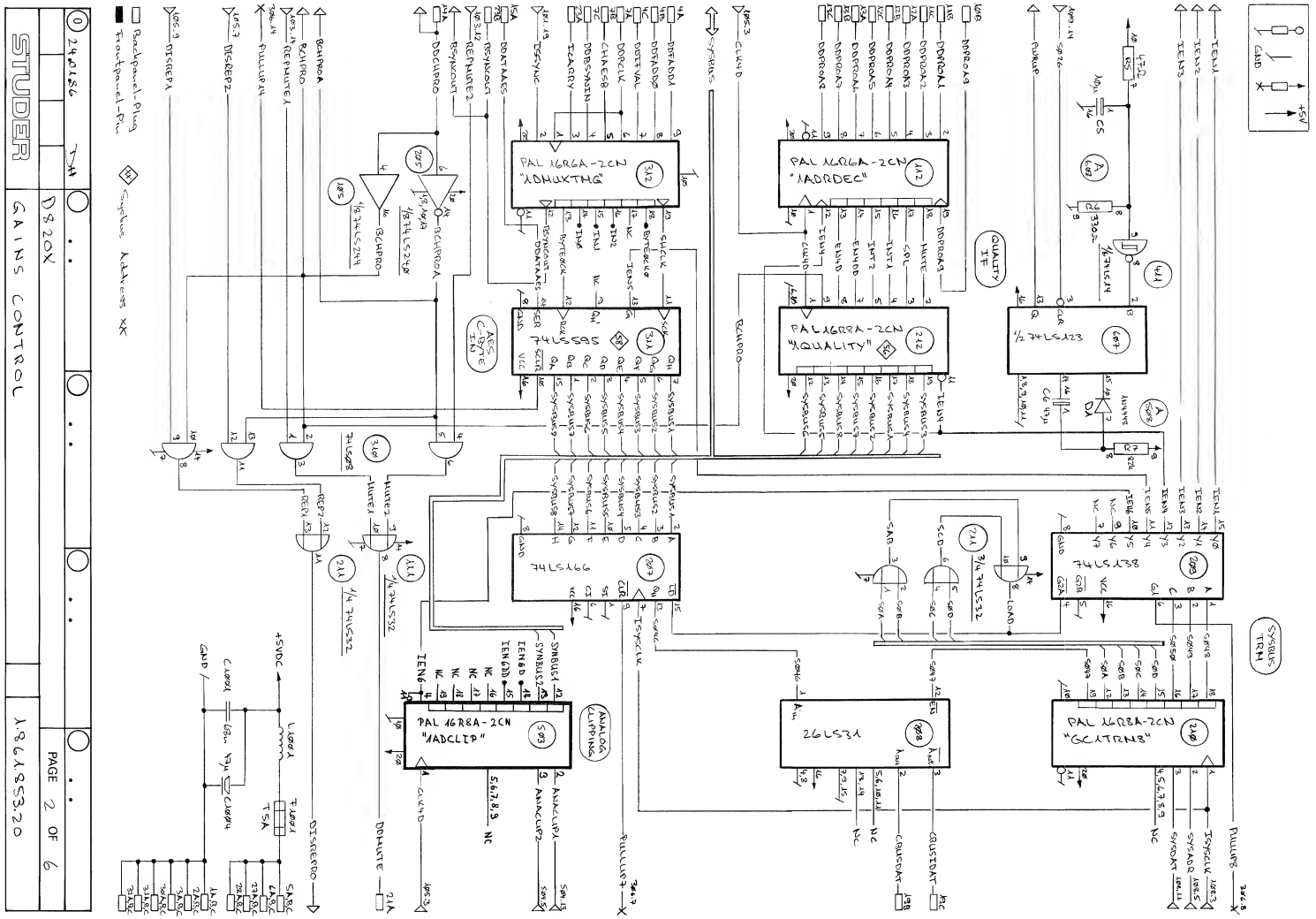

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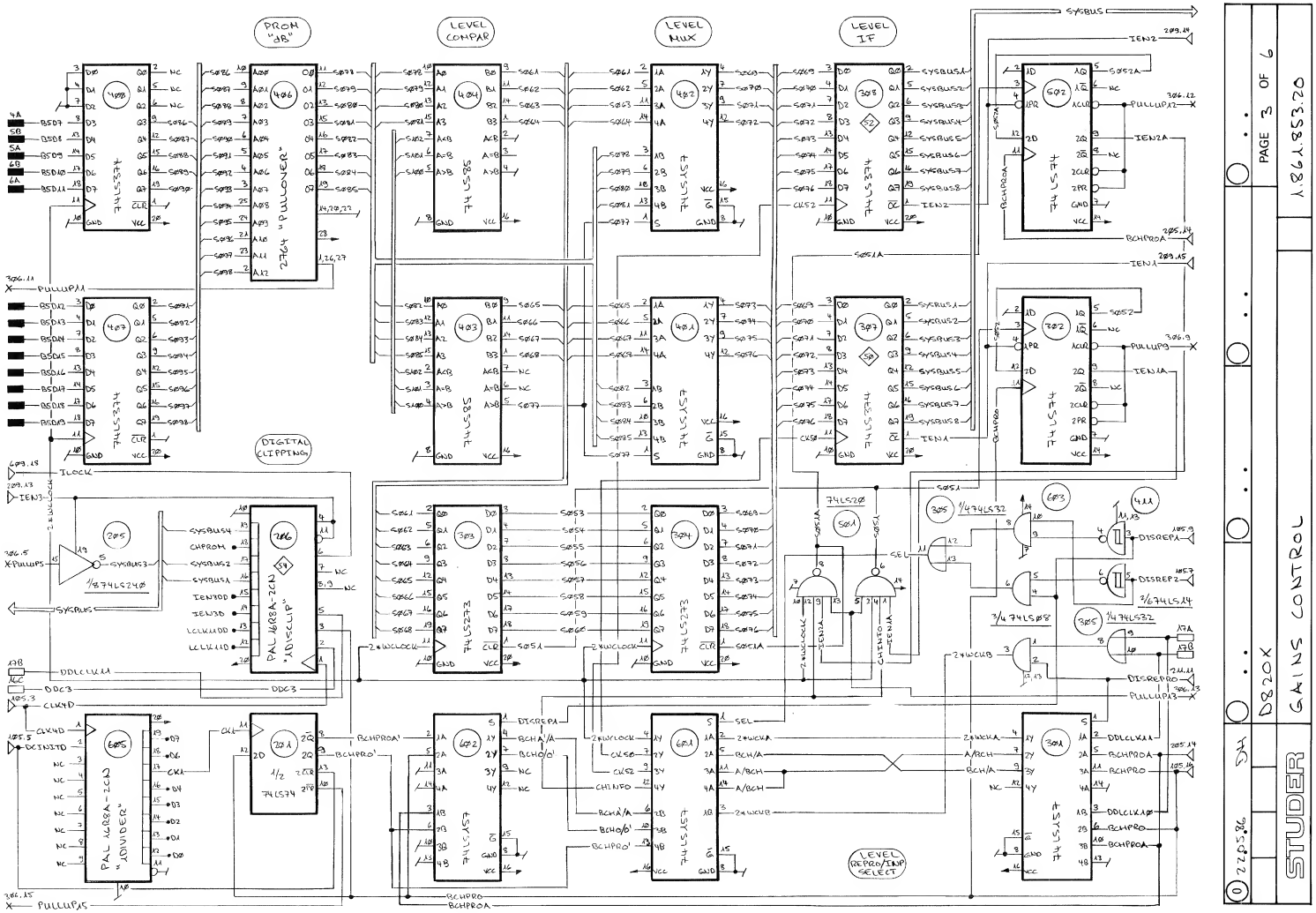
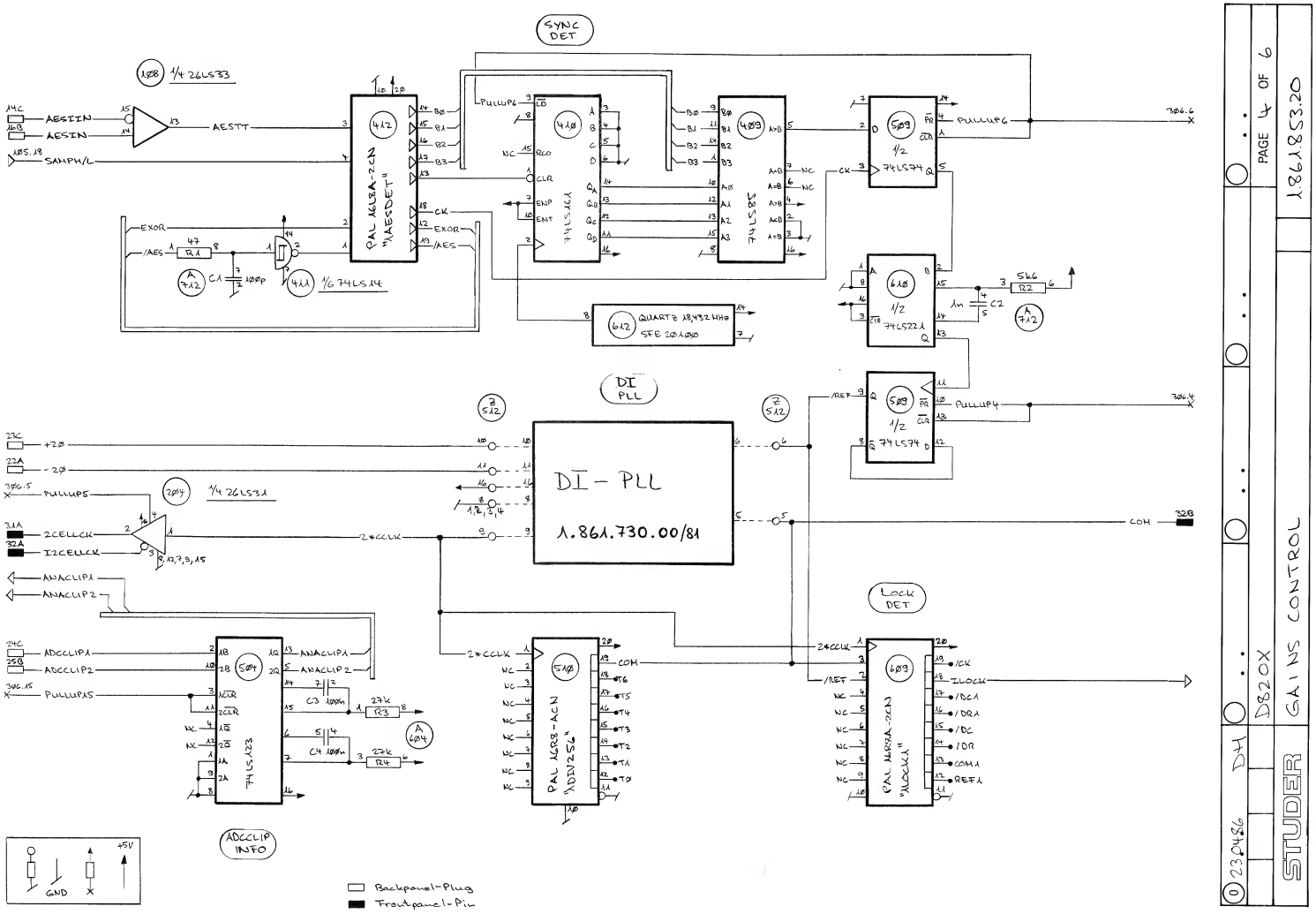


STUDER D820X GAINS CONTROL 1.861.853.20 PAGE 3 OF 6 02 22.8.86 SH

GAINS CONTROL 1.861.853.00 PAGE 4



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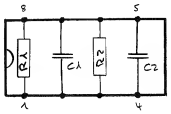
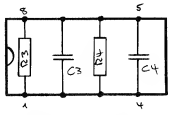


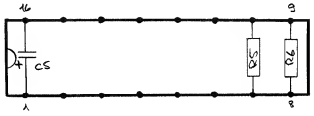
Assembly 712

R1 = 47Ω
R2 = 5k6
C1 = 100p (Ceramic)
C2 = 1µ (Ceramic)
1.861.748.00



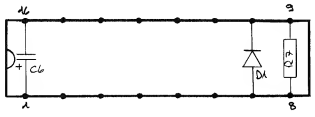
Assembly 684

R3 = 27k
R4 = 27k
C3 = 100µ (10%)
C4 = 100µ (10%)
1.861.747.00



Assembly 688

R5 = 47Ω
R6 = 330Ω
C5 = 10µ
1.861.749.00



Assembly 508

R7 = 82k
D1 = 1N4448
C6 = 47µ
1.861.760.00

0 25.08.86 DH				
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STUDER	GAINS CONTROL			1.861.853.20

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	A.....1	1.861.730.00		01=PLL	St
	A...908	1.861.760.00		ASSEMBLY 853-508	St
	A....604	1.861.747.00		ASSEMBLY 853-604	St
	A....712	1.861.748.00		ASSEMBLY 853-712	St
	A....608	1.861.749.00		ASSEMBLY 853-608	St
	C.....1	59.25.3470	47u	30%, 10V, ELECTROLYTIC	ANY
	C.....2	1.010.001.59	68n	10%, 10V, QTY=40	St
	F.....1	51.01.0122		FUSE, 3.15AT/250V, 5*20mm	ANY
	IC.0101	50.18.0003		PAL 20-R8A-2CN (186146120)	ANY
	IC.0102	50.06.0377		SN 74 LS 377 N	ANY
	IC.0103	50.06.0244		SN 74 LS 244 N	ANY
	IC.0104	50.06.0377		SN 74 LS 377 N	ANY
	IC.0105	50.06.0244		SN 74 LS 244 N	ANY
	IC.0106	50.06.0377		SN 74 LS 377 N	ANY
	IC.0107	50.06.0164		SN 74 LS 164 N	ANY
	IC.0108	50.15.0109		AM26 LS33 PC=LS26 LS33 CN	ANY
	IC.0109	50.06.0138		SN 74 LS 138 N	ANY
	IC.0110	50.18.0012		PAL 16 R 8 A-2 CN (186145520)	ANY
	IC.0111	50.06.0032		SN 74 LS 32 N	ANY
	IC.0112	50.18.0011		PAL 16 R 6 A-2 CN (186145720)	ANY
	IC.0201	50.06.0074		SN 74 LS 74 N	ANY
	IC.0202	50.06.0074		SN 74 LS 74 N	ANY
	IC.0203	50.06.0008		SN 74 LS 08 N	ANY
	IC.0204	50.15.0108		AM26 LS 31 PC	ANY
	IC.0205	50.06.0240		SN 74 LS 240 N	ANY
	IC.0206	50.18.0012		PAL 16 R 8 A-2 CN (186146020)	ANY
	IC.0207	50.06.0166		SN 74 LS 166 N	ANY
	IC.0208	50.15.0108		AM26 LS 31 PC=AM26 LS31 CN	ANY
	IC.0209	50.06.0138		SN 74 LS 138 N	ANY
	IC.0210	50.18.0012		PAL 16 R 8 A-2 CN (186145620)	ANY
	IC.0211	50.06.0032		SN 74 LS 32 N	ANY
	IC.0212	50.18.0012		PAL 16 R 8 A-2 CN (186145820)	ANY
	IC.0301	50.06.0157		SN 74 LS 157 N	ANY
	IC.0302	50.06.0074		SN 74 LS 74 N	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC.0303	50.06.0273		SN 74 LS 273 N	ANY
	IC.0304	50.06.0273		SN 74 LS 273 N	ANY
	IC.0305	50.06.0032		SN 74 LS 32 N	ANY
	IC.0307	50.06.0374		SN 74 LS 374 N	ANY
	IC.0308	50.06.0374		SN 74 LS 374 N	ANY
	IC.0309	50.06.0074		SN 74 LS 74 N	ANY
	IC.0310	50.06.0008		SN 74 LS 08 N	ANY
	IC.0311	50.06.0595		SN 74 LS 595 N	ANY
	IC.0312	50.18.0011		PAL 16-R6A-2CN (186146220)	ANY
	IC.0401	50.06.0157		SN 74 LS 157 N	ANY
	IC.0402	50.06.0157		SN 74 LS 157 N	ANY
	IC.0403	50.06.0085		SN 74 LS 85 N	ANY
	IC.0404	50.06.0085		SN 74 LS 85 N	ANY
	IC.0406	50.14.0113		D 27A4-3+ HN 482764 G-3 (186145920)	ANY
	IC.0407	50.06.0374		SN 74 LS 374 N	ANY
	IC.0408	50.06.0374		SN 74 LS 374 N	ANY
	IC.0409	50.06.0085		SN 74 LS 85 N	ANY
	IC.0410	50.06.0161		SN 74 LS 161	ANY
	IC.0411	50.06.0014		SN 74 LS 14 N	ANY
	IC.0412	50.18.0009		PAL 16 L 8 A-2 CN (186146420)	ANY
	IC.0501	50.06.0020		SN 74 LS 20 N	ANY
	IC.0502	50.06.0074		SN 74 LS 74 N	ANY
	IC.0503	50.18.0012		PAL 16 R8 A-2CN (186194520)	ANY
	IC.0504	50.06.0123		SN 74 LS 123 N	ANY
	IC.0509	50.06.0074		SN 74 LS 74 N	ANY
	IC.0510	50.18.0002		PAL 16 R 8 4CN (186147420)	ANY
	IC.0601	50.06.0157		SN 74 LS 157 N	ANY
	IC.0602	50.06.0157		SN 74 LS 157 N	ANY
	IC.0603	50.06.0008		SN 74 LS 08 N	ANY
	IC.0605	50.18.0012		PAL 16 R8A-2CN (186146320)	ANY
	IC.0607	50.06.0123		SN 74 LS 123 N	ANY
	IC.0609	50.18.0012		PAL 16 R 8 A-2 CN (186147420)	ANY
	IC.0610	50.06.0221		SN 74 LS 221 N	ANY
	L.....1	62.01.0115		W10E-BAND HF-CHOKE	Ph
	MP....1	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....2	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....3	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....4	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....5	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....6	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....7	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....8	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....9	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....10	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....11	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....12	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....13	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP....14	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP....15	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP....16	28.99.0119		RIVETING NUT, 02.5901.5910	ANY
	MP....17	28.99.0119		RIVETING NUT, 02.5901.5910	ANY
	MP....18	1.010.006.33		MARKING HANDLE	ANY
	MP....19	1.010.006.33		MARKING HANDLE	ANY
	MP....20	1.010.096.49		TRANSPARENT COVER	ANY
	MP....21	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....22	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....23	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....24	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....25	1.861.853.02		METAL PLATE	St
	MP....26	1.861.853.03		INSULATOR	St
	MP....27	1.861.769.11		PCB	St
	MP....28	1.861.853.01		NAME PLATE, 6.3*91	ANY
	MP....29	1.010.120.51		LABEL "FUSE 3.15A"	St
	MP....30	1.101.001.20		LABEL "RELEASE VERSION -20"	St
	MP....31	43.01.0108		LABEL "ESE"	ANY
	MP....32	21.01.0354		SCREW, CYLIN.-HEAD, M3*6	ANY
	MP....33	21.01.0354		SCREW, CYLIN.-HEAD, M3*6	ANY
	MP....34	21.01.0354		SCREW, CYLIN.-HEAD, M3*6	ANY
	MP....35	21.01.0354		SCREW, CYLIN.-HEAD, M3*6	ANY
	MP....36	21.01.2354		SCREW, COUNTERSUNK HEAD, M3*6	ANY
	MP....37	21.01.2354		SCREW, COUNTERSUNK HEAD, M3*6	ANY
	MP....38	21.01.2354		SCREW, COUNTERSUNK HEAD, M3*6	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....39	21.01.2354		SCREW, COUNTERSUNK HEAD, M3*6	ANY
	MP....40	24.16.1030		LOCK WASHER, M3	ANY
	MP....41	24.16.1030		LOCK WASHER, M3	ANY
	MP....42	24.16.1030		LOCK WASHER, M3	ANY
	MP....43	24.16.1030		LOCK WASHER, M3	ANY
	MP....44	23.01.1032		WASHER, M3	ANY
	MP....45	23.01.1032		WASHER, M3	ANY
	MP....46	23.01.1032		WASHER, M3	ANY
	MP....47	23.01.1032		WASHER, M3	ANY
	MP....48	1.010.024.23		INSULATOR, M3	ANY
	P.....1	54.01.0354		CARD CONNECTOR, 3*32 EURO WIRE WRAP	ANY
	P.....2	1.010.028.54		CONTACT PINS, QTY=106.2	ANY
	P.....3	1.010.029.54		DUMMY PINS, QTY=240	ANY
	P.....4	1.010.027.54		FRONT PIN, QTY=64	ANY
	RZ...306	57.85.3102	1.5*1k	2%, 0.1/16	ANY
	TP....1	29.21.6002		TESTPOINT	ANY
	TP....2	29.21.6002		TESTPOINT	ANY
	TP....3	29.21.6002		TESTPOINT	ANY
	TP....4	29.21.6002		TESTPOINT	ANY
	W.....1	64.01.0345	71800mm	WIRE WRAP TYPE	ANY
	XF....1	53.03.0142		CLAMP, 5*20	ANY
	XF....2	53.03.0142		CLAMP, 5*20	ANY
	Y....612	89.01.0590		18.4326 MHz, TTL-OUTPUT	SFE, STC

REMARKS: MOD 01: ADDITIONAL IC AND ASSY 1 (01-PLL). DIGITAL INPUT HAS BEEN REMOVED ON DAPRO IF. PWR-UP DELAY.

MANUFACTURERS:
St = STUDER / SFE = SFE TECHNOLOGIES / STC = STC COMPONENTS LTD.

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES /
XIC = IC SOCKET

ORIG 86/01/21 (20) 86/08/26

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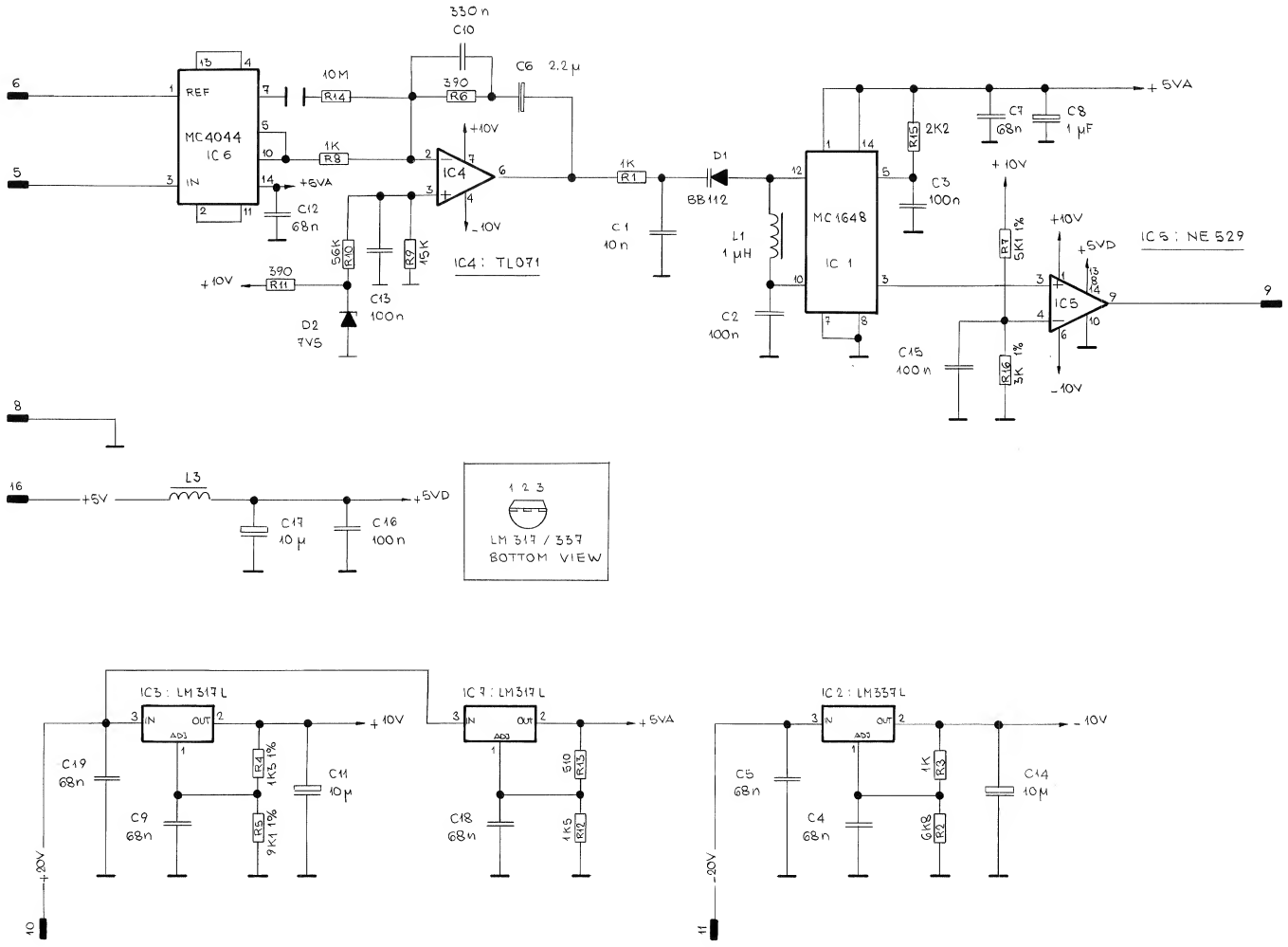
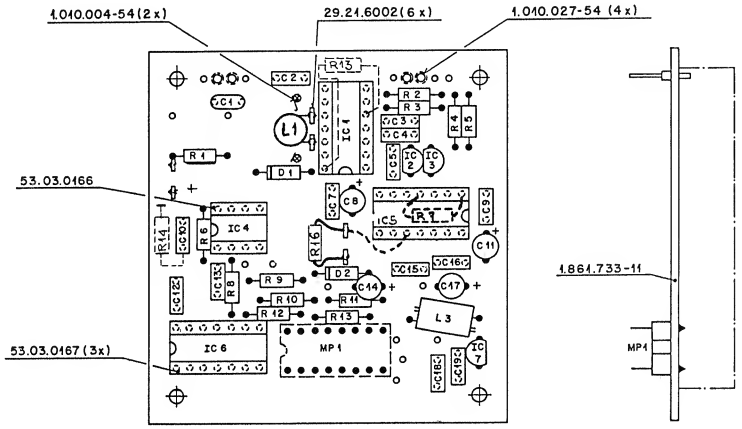


⓪ 23.04.86 y.haussener	D-820X	PAGE OF	A.861.730.00
STUDER	DI-PLL (GAINS CONTROL BOARD)		

DI-PLL 1.861.730.00 PAGE 2 (LAST)



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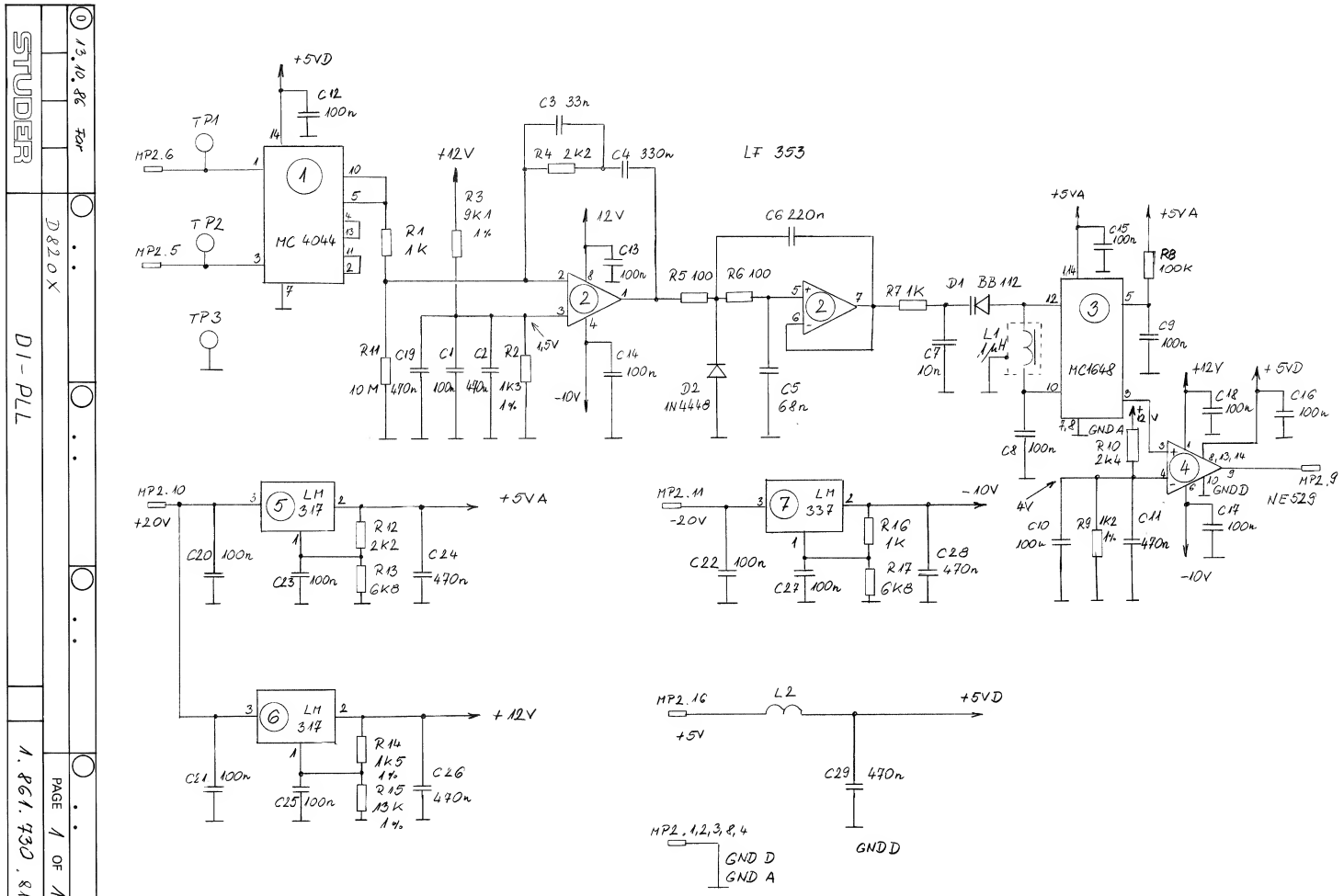
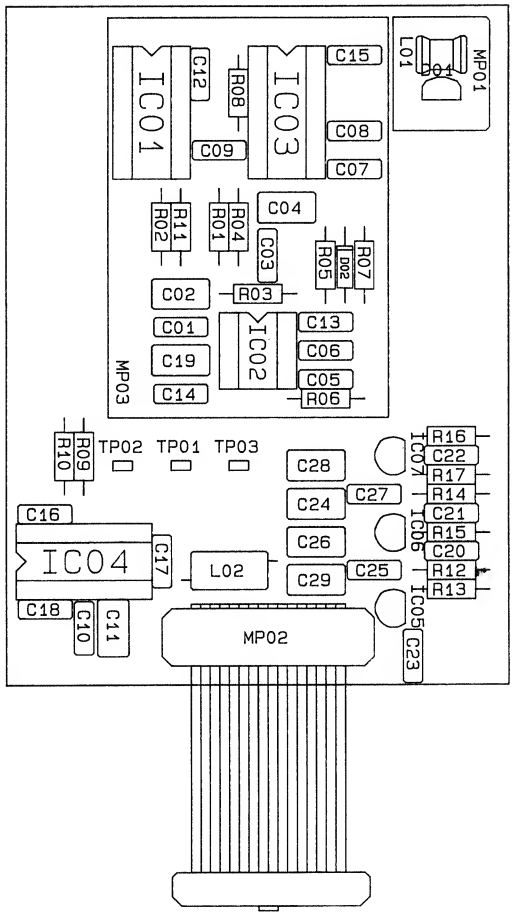


DI-PLL 1.861.730.81 PAGE 2 (LAST)

1.861.730-11 DI PLL 20.10.85



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C..0001	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0002	59.06.0474	470n	10%, 30V, FILM	ANY
	C..0003	59.06.0333	33n	10%, 63V, FILM	ANY
	C..0004	59.06.0334	330n	10%, 30V, FILM	ANY
	C..0005	59.06.0683	68n	10%, 30V, FILM	ANY
	C..0006	59.06.0224	220n	10%, 30V, FILM	ANY
	C..0007	59.06.0103	10n	10%, 30V, FILM	ANY
	C..0008	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0009	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0010	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0011	59.06.0474	470n	10%, 30V, FILM	ANY
	C..0012	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0013	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0014	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0015	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0016	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0017	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0018	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0020	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0021	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0022	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0023	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0024	59.06.0474	470n	10%, 30V, FILM	ANY
	C..0025	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0026	59.06.0474	470n	10%, 30V, FILM	ANY
	C..0027	59.06.0104	100n	10%, 30V, FILM	ANY
	C..0028	59.06.0474	470n	10%, 30V, FILM	ANY
	C..0029	59.06.0474	470n	10%, 30V, FILM	ANY
	D..0001	50.04.0139	BB 112	MVAM 109, MV 1404	Mot.Ph
	D..0002	50.04.0125	IN 4448		ANY
	IC.0001	50.05.0149	MC 4044		ANY
	IC.0002	50.09.0101	TL 072		ANY
	IC.0003	50.11.0112	MC 1648		ANY
	IC.0004	50.11.0115	NE 529 N		ANY
	IC.0005	50.10.0108	LM 317LZ		ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC.0006	50.10.0108	LM 317LZ		ANY
	IC.0007	50.10.0109	LM 337LZ		ANY
	L..0001	62.02.3109	1uHy	10%, RAD., RM 5	ANY
	L..0002	62.01.0115		WIDE-BAND HF CHOKE	Ph
	MP.0001	1.861.725.03		SCREENING COVER, ANGELED	St
	MP.0002	54.14.5025		PRINT CONNECTOR 2*8 PIN	ANY
	MP.0003	1.861.725.02		SCREENING COVER,LARGE	St
	MP.0004	1.861.730.11		PCB	St
	MP.0005	1.861.730.01		LABEL WITH BOARD NUMBER	St
	MP.0006	43.01.0108		LABEL "ESS"	ANY
	MP.0007	54.14.5021		RIBBON CABLE CONNECTOR, 2*8 PIN	ANY
	MP.0008	64.03.0214		RIBBON CABLE, 16 LEADS, L = 90 mm	ANY
	R..0001	57.11.4102	1 k	2%	ANY
	R..0002	57.11.3132	1.3 k	1%	ANY
	R..0003	57.11.3912	9.1 k	1%	ANY
	R..0004	57.11.4222	2.2 k	2%	ANY
	R..0005	57.11.4101	100	2%	ANY
	R..0006	57.11.4101	100	2%	ANY
	R..0007	57.11.4102	1 k	2%	ANY
	R..0008	57.11.4332	3.3 k	2%	ANY
	R..0009	57.11.3122	1.2 k	1%	ANY
	R..0010	57.11.3242	2.4 k	1%	ANY
	R..0011	57.11.5106	10 M	5%	ANY
	R..0012	57.11.4222	2.2 k	2%	ANY
	R..0013	57.11.4682	6.8 k	2%	ANY
	R..0014	57.11.3152	1.5 k	1%	ANY
	R..0015	57.11.3133	13 k	1%	ANY
	R..0016	57.11.4102	1 k	2%	ANY
	R..0017	57.11.4682	6.8 k	2%	ANY
	TP.0001	54.02.0320			ANY
	TP.0002	54.02.0320			ANY
	TP.0003	54.02.0320			ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC0001	53.03.0166		XIC OIL 8-POL	ANY
	XIC0002	53.03.0167		XIC OIL 14-POL	ANY
	XIC0003	53.03.0167		XIC OIL 14-POL	ANY
	XIC0004	53.03.0167		XIC OIL 14-POL	ANY

REMARKS:

MANUFACTURERS:
St = STUDER / Sig = SIGNETICS / Ph = PHILIPS / Mot = MOTOROLA

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES / XIC = IC SOCKET

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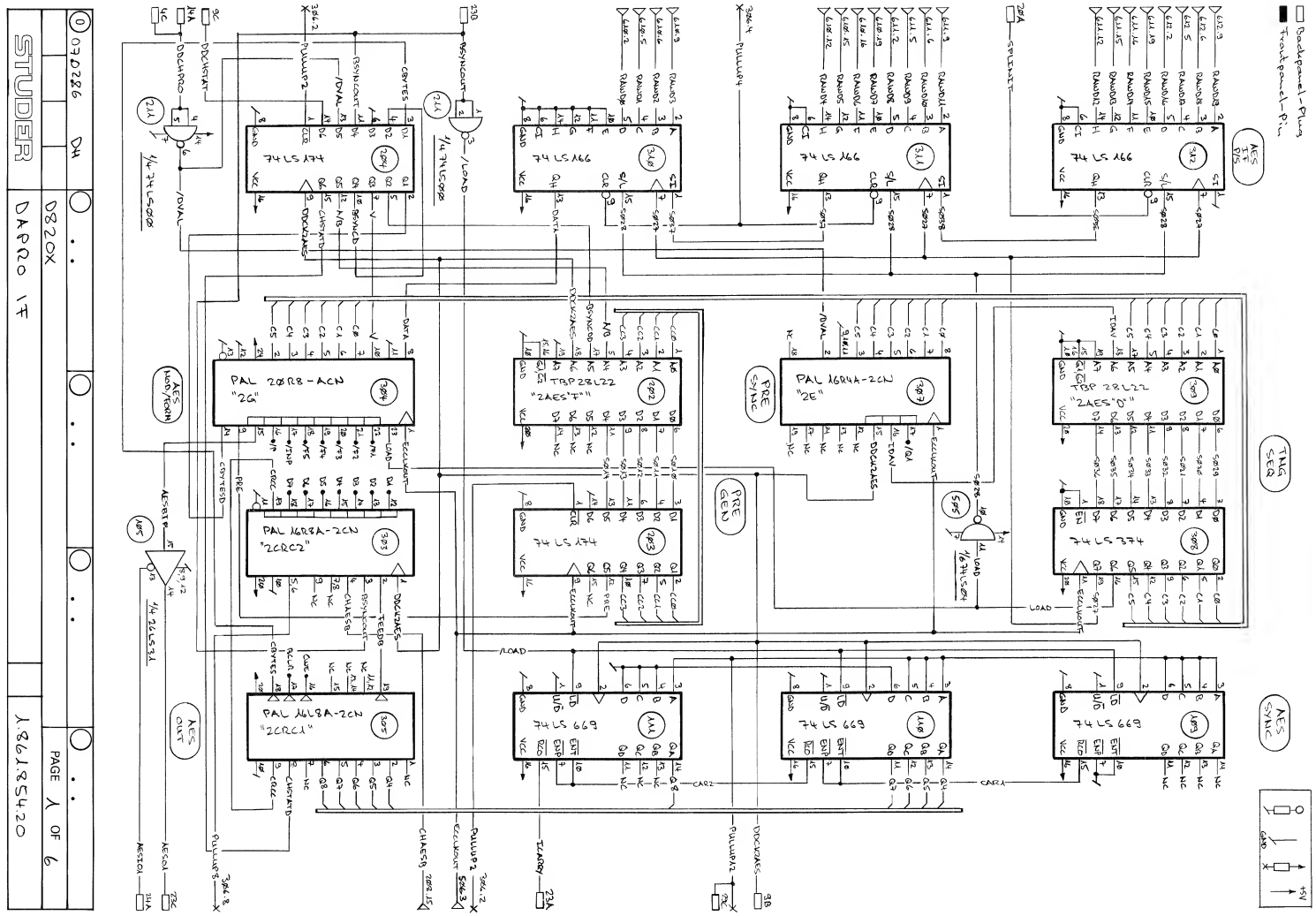
DAPRO INTERFACE 1.861.854.00 PAGE 1



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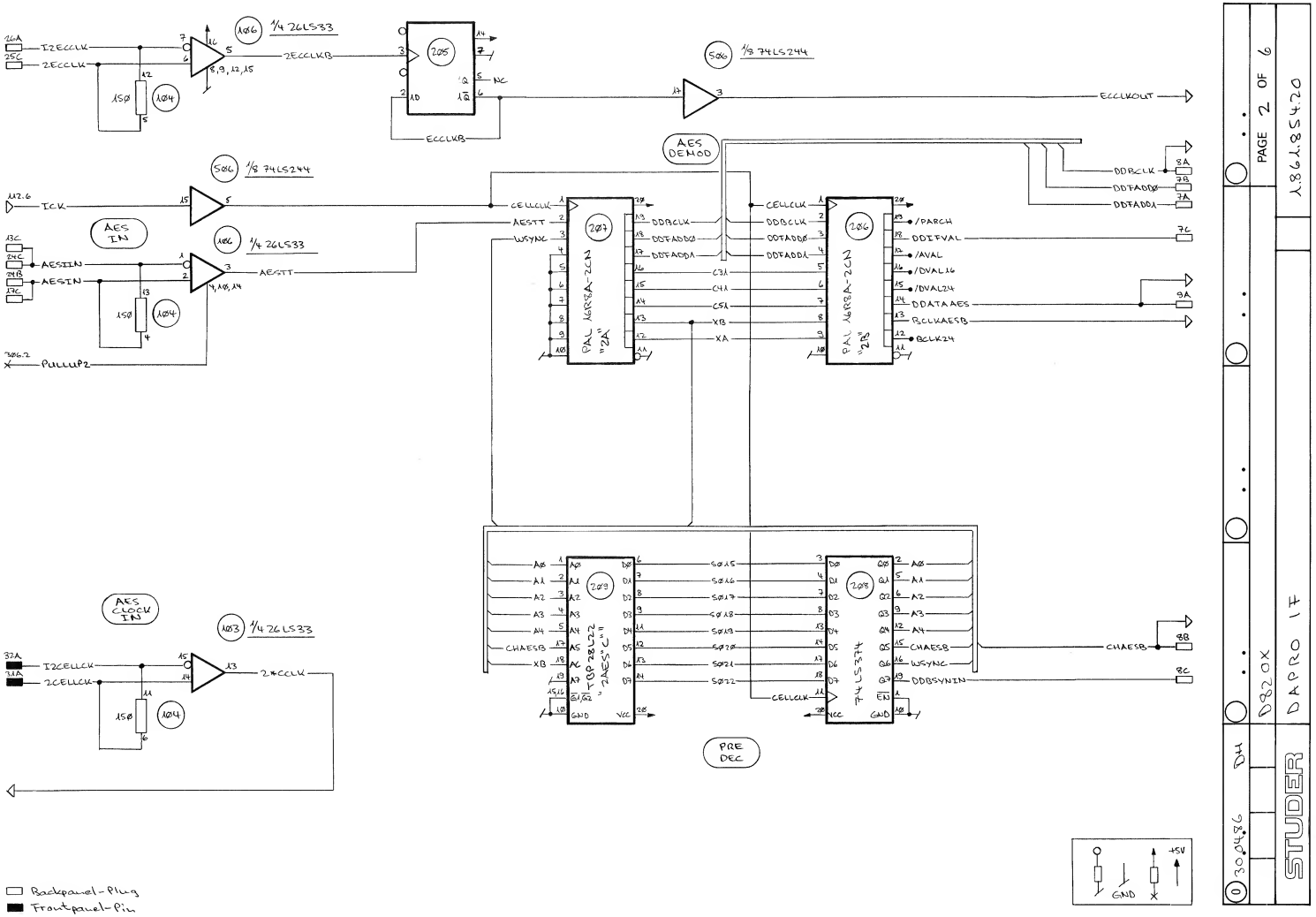
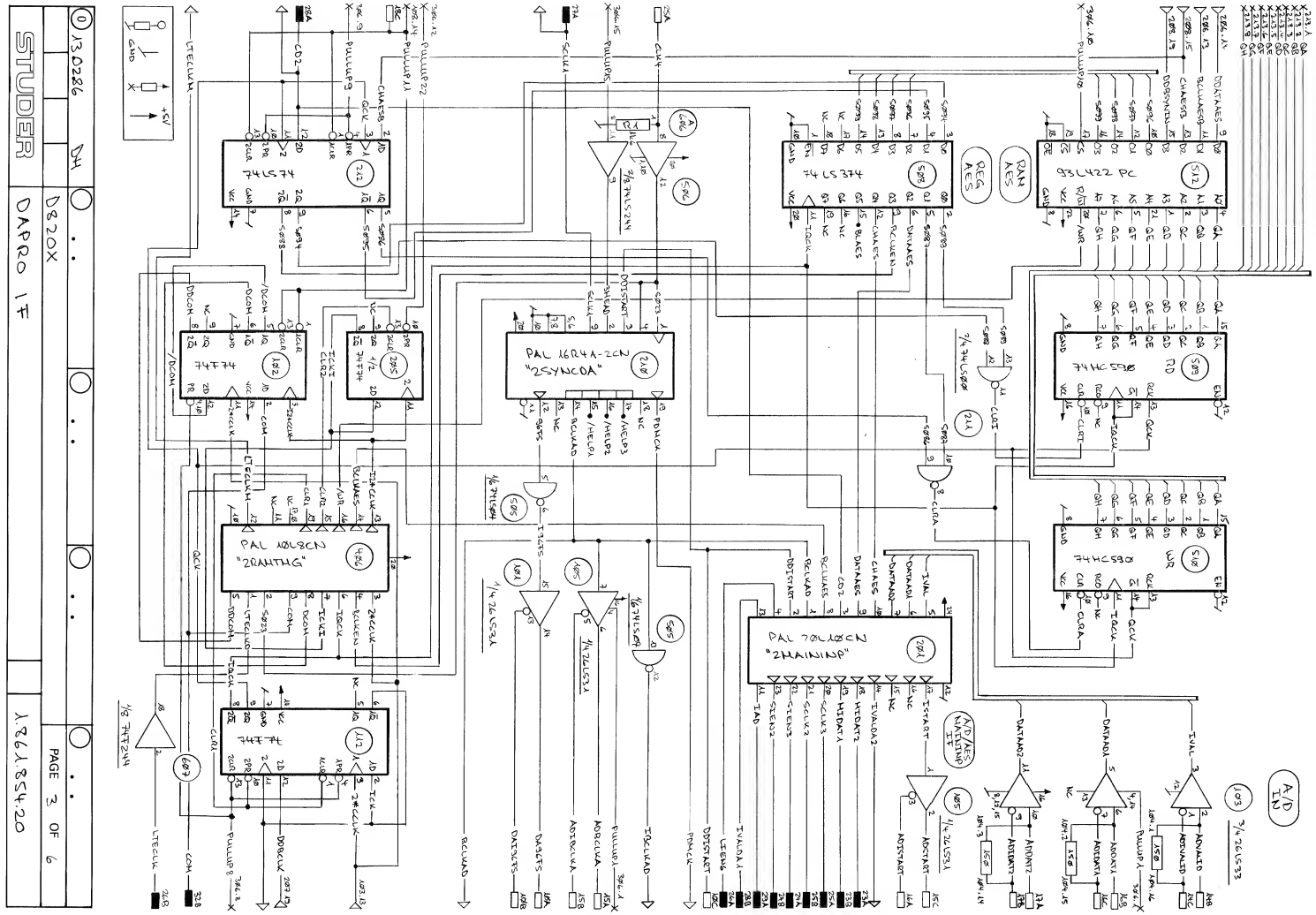
DAPRO INTERFACE 1.861.854.00 PAGE 2



DAPRO INTERFACE 1.861.854.00 PAGE 3



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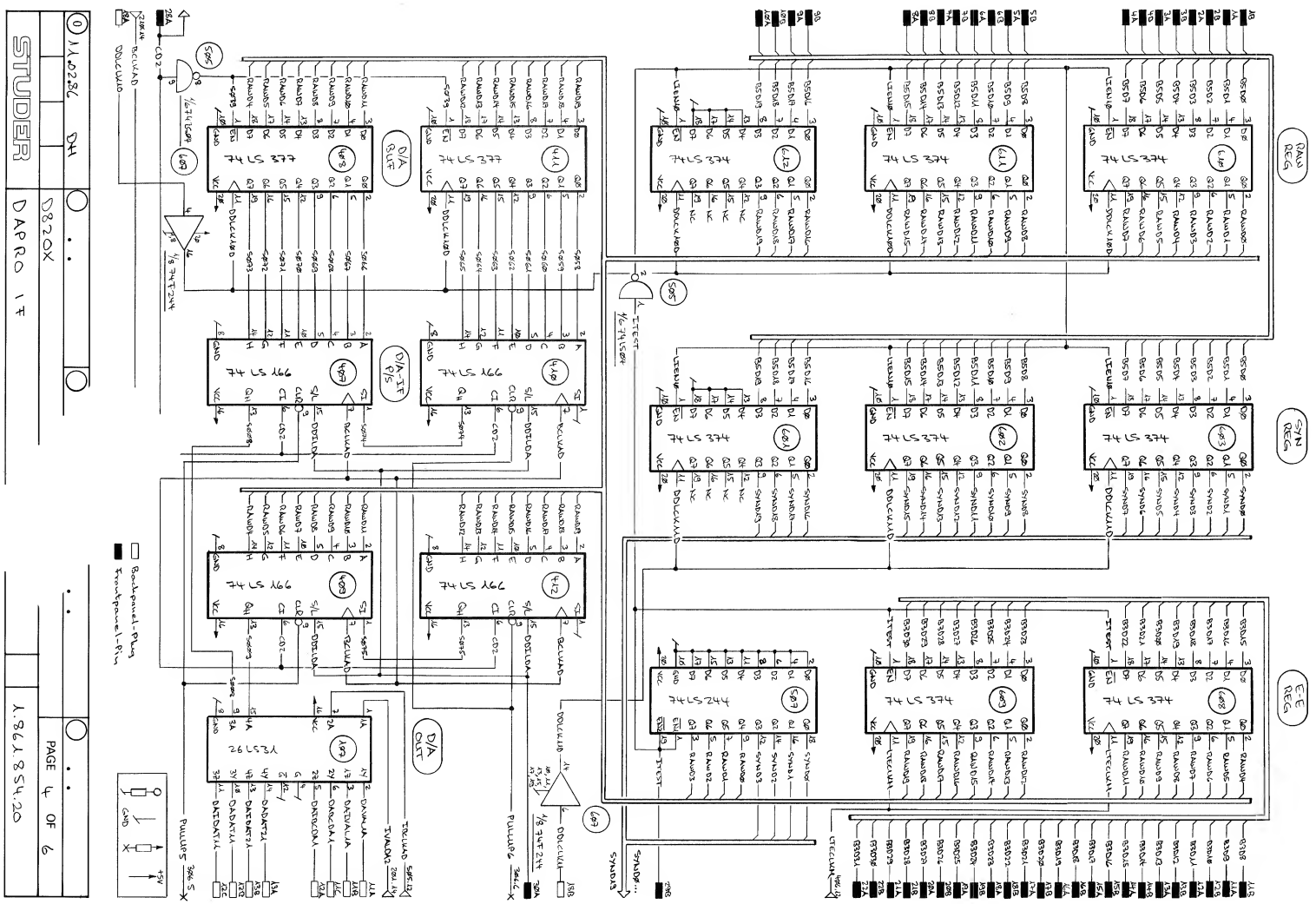

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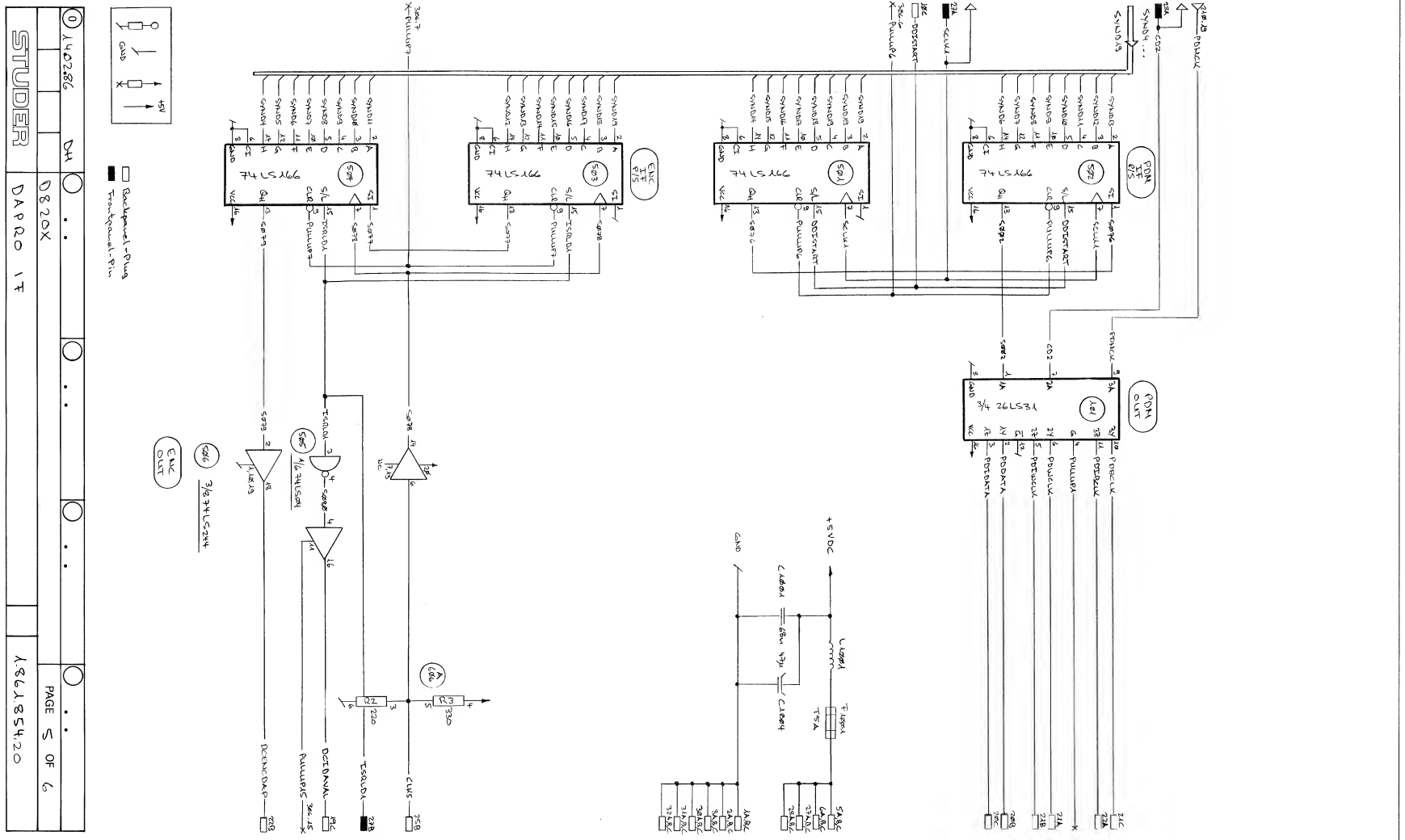
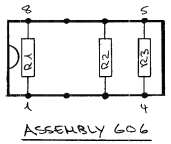


DAPRO INTERFACE 1.861.854.00 PAGE 6 (LAST)



R1 = 1k6
R2 = 220Ω
R3 = 330Ω

ASSEMBLY 606

0	30.04.86	BH				PAGE 6 OF 6
STUDER	DAPRO IF					1.861.854.20

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...17	28.99.0119		RIVETING NUT, 02.5*0.15*10	ANY
	MP...18	1.010.006.33		MARKING HANDLE	ANY
	MP...19	1.010.006.33		MARKING HANDLE	ANY
	MP...20	1.010.096.49		TRANSPARENT COVER	ANY
	MP...21	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP...22	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP...23	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP...24	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP...25	1.861.750.01		METAL PLATE	ANY
	MP...26	1.861.750.02		INSULATOR	ANY
	MP...27	1.861.750.11		PCB	St
	MP...28	1.861.854.01		LABEL WITH BOARD NUMBER	St
	MP...29	1.010.122.51		LABEL "FUSE 5A"	St
	MP...30	1.101.001.20		LABEL "RELEASE VERSION -20"	St
	MP...31	43.01.0108		LABEL "ESE"	ANY
	MP...32	1.010.128.49		GUIDING TEMPLATE FOR PINS	St
	P.....1	54.21.0354		CARD CONNECTOR, 3*32 EURO WIRE WRAP	ANY
	P.....2	1.010.028.54		CONTACT PINS, QTY=1098	ANY
	P.....3	1.010.029.54		DUMMY PINS, QTY=165	ANY
	P.....4	1.010.027.54		FRONT PIN, QTY=64	ANY
	RZ..104	57.88.3151	80150	2%, OIL16	ANY
	RZ..108	57.85.3102	15*1 k	2%, OIL16	ANY
	RZ..306	57.85.3102	15*1 k	2%, OIL16	ANY
	TP....1	29.21.6002		TESTPOINT	ANY
	TP....2	29.21.6002		TESTPOINT	ANY
	TP....3	29.21.6002		TESTPOINT	ANY
	TP....4	29.21.6002		TESTPOINT	ANY
	W.....1	64.01.0349	79800mm	WIRE WRAP TYPE	ANY
	XF....1	53.03.0142		CLAMP, 5*20	ANY
	XF....2	53.03.0142		CLAMP, 5*20	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(00)	A...301	1.861.738.00		ASSEMBLY 854-301	St
(01)	A...301				
(00)	A...302	1.861.736.00		ASSEMBLY 854-302	St
(01)	A...302				
(00)	A...313	1.861.740.00		ASSEMBLY 854-313	St
(01)	A...313				
(00)	A...403	1.861.739.00		ASSEMBLY 854-403	St
(01)	A...403				
(01)	A...606	1.861.739.00		ASSEMBLY 854-606	St
	C.....1	59.22.5470	47u	50%, 10V, ELECTROLYTIC	ANY
	C.....2	1.010.001.59	68n	50%, 10V, QTY=50	St
(00)	C.....3	59.05.1101	100p	1%	ANY
(01)	C.....3				
(00)	C.....4	59.05.1101	100p	1%	ANY
(01)	C.....4				
	F.....1	51.01.0124		FUSE, 5AT, 5*20mm	ANY
	IC..101	50.15.0108		AM26 LS 31 PC*AM26 LS31 CN	ANY
(01)	IC..102	50.21.0074		SN 74 F 74 N	ANY
	IC..103	50.15.0109		AM26 LS 33 PC*0526 LS33 CN	ANY
	IC..105	50.15.0108		AM26 LS 31 PC*AM26 LS31 CN	ANY
	IC..106	50.15.0109		AM26 LS 33 PC*0526 LS33 CN	ANY
	IC..107	50.15.0108		AM26 LS 31 PC*AM26 LS31 CN	ANY
	IC..109	50.06.0669		SN 74 LS 669 PC	ANY
	IC..110	50.06.0669		SN 74 LS 669 PC	ANY
	IC..111	50.06.0669		SN 74 LS 669 PC	ANY
	IC..112	50.21.0074		SN 74 F 74 N	ANY
	IC..201	50.18.0013		PAL 20 L 10 CN (186146520)	ANY
	IC..202	50.14.0114		TBP 28L 22N, 6309-1N (186146620)	ANY
	IC..203	50.06.0174		SN 74 LS 174 N	ANY
	IC..204	50.06.0174		SN 74 LS 174 N	ANY
	IC..205	50.21.0074		SN 74 F 74 N	ANY
	IC..206	50.18.0012		PAL 16 R 8 A-2 CN (186146620)	ANY
	IC..207	50.18.0012		PAL 16 R 8 A-2 CN (186146620)	ANY
	IC..208	50.06.0374		SN 74 LS 374 N	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC..209	50.14.0114		TBP 28L 22N, 6309-1N (186146720)	ANY
	IC..210	50.18.0010		PAL 16 R 4 A-2 CN (186146820)	ANY
	IC..211	50.06.0000		SN 74 LS 00 N	ANY
	IC..212	50.06.0074		SN 74 LS 74 N	ANY
(00)	IC..300	50.06.0086		SN 74 LS 86 PC	ANY
(01)	IC..300				
	IC..303	50.18.0012		PAL 16 R 8 A-2 CN (186146920)	ANY
	IC..304	50.18.0003		PAL 20 R 8 ACN (186147020)	ANY
	IC..305	50.18.0009		PAL 16 L 8 A-2 CN (186146920)	ANY
	IC..307	50.18.0010		PAL 16 R 4 A-2 CN (186147220)	ANY
	IC..308	50.06.0374		SN 74 LS 374 N	ANY
	IC..309	50.14.0114		TBP 28L 22N, 6309-1N (186147120)	ANY
	IC..310	50.06.0166		SN 74 LS 166 N	ANY
	IC..311	50.06.0166		SN 74 LS 166 N	ANY
	IC..312	50.06.0166		SN 74 LS 166 N	ANY
(00)	IC..401	50.06.0123		SN 74 LS 123 PC	ANY
(01)	IC..401				
(00)	IC..402	50.05.0149		MC 4044	Mot
(01)	IC..402				
(00)	IC..404	50.06.0624		SN 74 LS 624 PC	ANY
(01)	IC..404				
(00)	IC..405	50.09.0102		LF 357	ANY
(01)	IC..405				
	IC..406	50.18.0006		PAL 10 L 8 CN (186147320)	ANY
	IC..407	50.06.0166		SN 74 LS 166 N	ANY
	IC..408	50.06.0377		SN 74 LS 377 N	ANY
	IC..409	50.06.0166		SN 74 LS 166 N	ANY
	IC..410	50.06.0166		SN 74 LS 166 N	ANY
	IC..411	50.06.0377		SN 74 LS 377 N	ANY
	IC..412	50.06.0166		SN 74 LS 166 N	ANY
	IC..501	50.06.0166		SN 74 LS 166 N	ANY
	IC..502	50.06.0166		SN 74 LS 166 N	ANY
	IC..503	50.06.0166		SN 74 LS 166 N	ANY
	IC..504	50.06.0166		SN 74 LS 166 N	ANY
	IC..505	50.06.0004		SN 74 LS 04 N	ANY
	IC..506	50.06.0244		SN 74 LS 244 N	ANY
	IC..507	50.06.0244		SN 74 LS 244 N	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC..508	50.06.0374		SN 74 LS 374 N	ANY
	IC..509	50.17.1590		74 HC 590	ANY
	IC..510	50.17.1590		74 HC 590	ANY
	IC..512	50.14.0127		AM 93 L 422 PC	ANY
	IC..601	50.06.0374		SN 74 LS 374 N	ANY
	IC..602	50.06.0374		SN 74 LS 374 N	ANY
	IC..603	50.06.0374		SN 74 LS 374 N	ANY
(00)	IC..604	50.18.0012		PAL 16 R 8 A-2 CN (186147420)	ANY
(01)	IC..604				
(00)	IC..605	50.18.0002		PAL 16 R 8 ACN (186147620)	ANY
(01)	IC..605				
(01)	IC..606				
	IC..607	50.21.0244		SN 74 F 244 N	ANY
	IC..608	50.06.0374		SN 74 LS 374 N	ANY
	IC..609	50.06.0374		SN 74 LS 374 N	ANY
	IC..610	50.06.0374		SN 74 LS 374 N	ANY
	IC..611	50.06.0374		SN 74 LS 374 N	ANY
	IC..612	50.06.0374		SN 74 LS 374 N	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....2	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....3	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....4	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....5	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....6	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....7	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....8	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....9	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....10	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....11	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....12	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....13	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP....14	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP....15	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP....16	28.99.0119		RIVETING NUT, 02.5*0.15*10	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

REMARKS: MOD 01: DMIT COMPONENTS DUE TO PLL ON GAINS CONTROL.

MANUFACTURERS:
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ABBREVIATIONS:
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XIC = IC SOCKET

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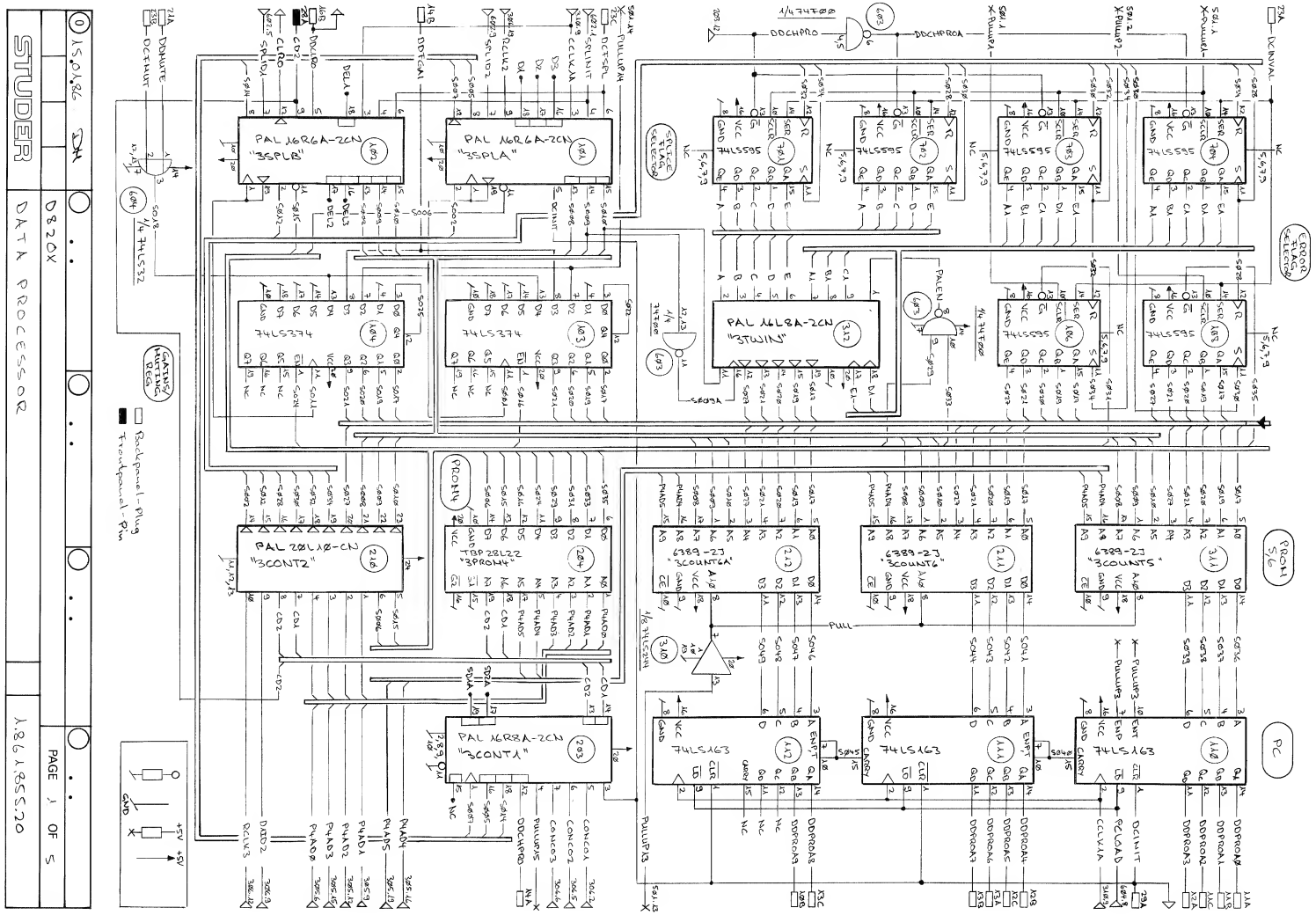
DATA PROCESSOR 1.861.855.00 PAGE 1



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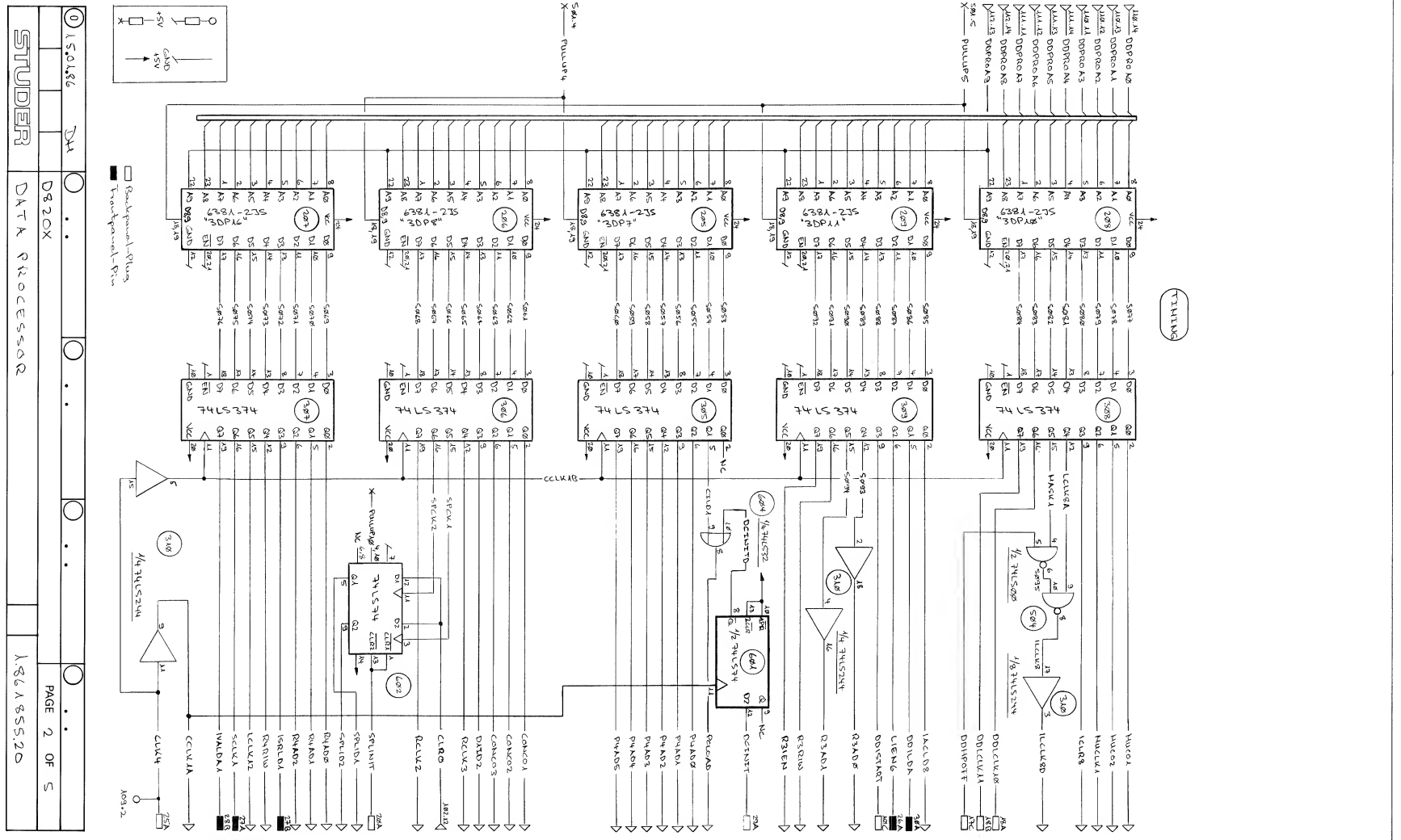
DATA PROCESSOR 1.861.855.00 PAGE 2



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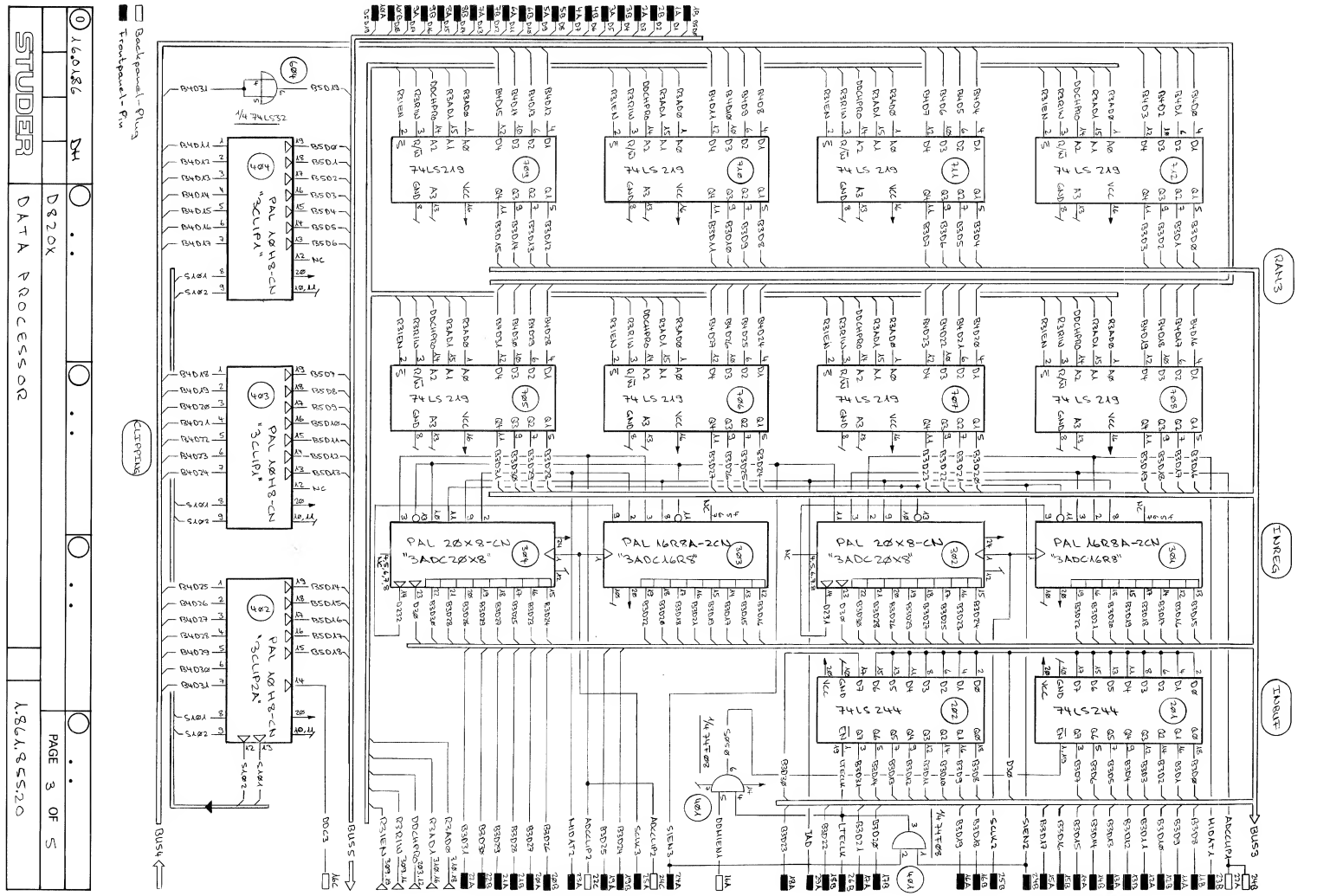

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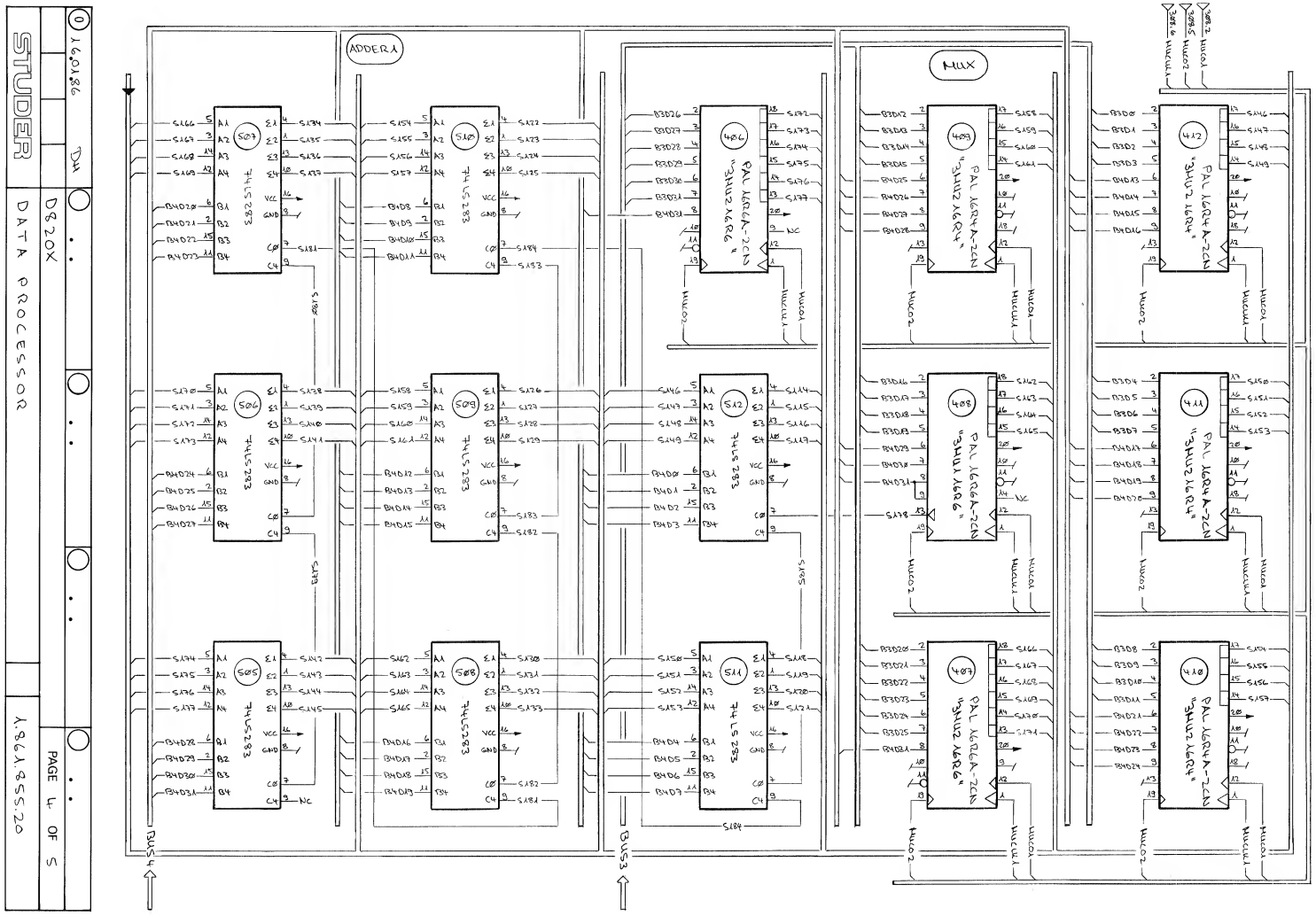

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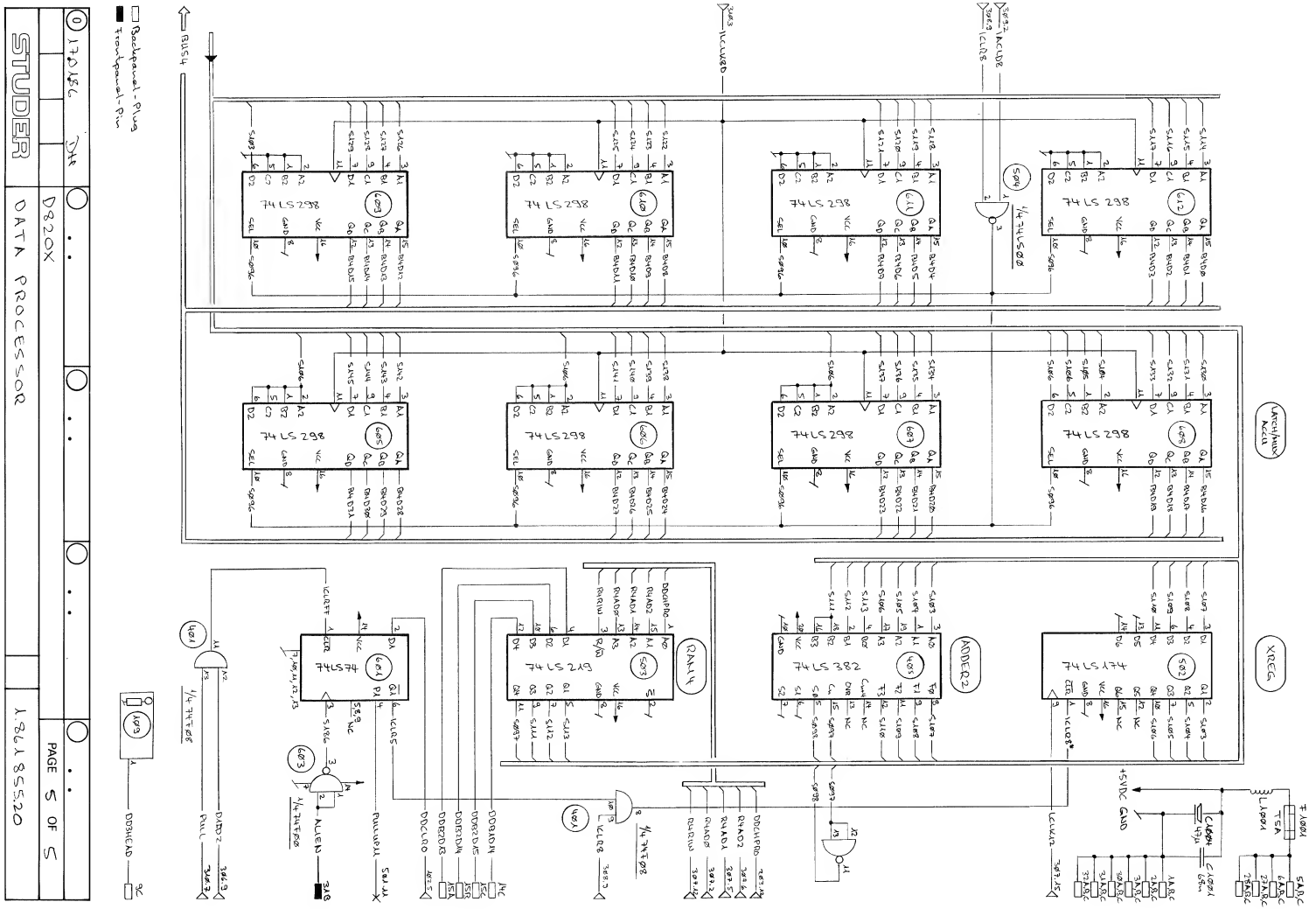

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INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.22.5470	1 PCS	47u, 50%, 10V, ELECTROLYTIC	ANY
	C.....2	1.010.201.59	29 PCS	68n, 90%, 10V	St
	F.....1	51.01.0123		FUSE, 4AT/250V, 5X20mm	ANY
	IC..101	50.18.0011		PAL 16 R 6 A-2 CN (186148420)	ANY
	IC..102	50.18.0011		PAL 16 R 6 A-2 CN (186148420)	ANY
	IC..103	50.06.0374		SN 74 LS 374 N	ANY
	IC..104	50.06.0374		SN 74 LS 374 N	ANY
	IC..106	50.06.0595		SN 74 LS 595 N	ANY
	IC..108	50.06.0595		SN 74 LS 595 N	ANY
	IC..110	50.21.0163		74 F 163	ANY
	IC..111	50.21.0163		74 F 163	ANY
	IC..112	50.21.0163		74 F 163	ANY
	IC..201	50.06.0244		SN 74 LS 244 N	ANY
	IC..202	50.06.0244		SN 74 LS 244 N	ANY
	IC..203	50.18.0012		PAL 16 R 8 A-2 CN (186147920)	ANY
	IC..204	50.14.0114		TSP 28L 22Va +309-1N (186148620)	ANY
	IC..205	50.14.0150		53/6381-2 JS, OM 875 281 N(186148720)	ANY
	IC..206	50.14.0150		53/6381-2 JS, OM 875 281 N(186148720)	ANY
	IC..207	50.14.0150		53/6381-2 JS, OM 875 281 N(186148720)	ANY
	IC..208	50.14.0150		53/6381-2 JS, OM 875 281 N(186148720)	ANY
	IC..209	50.14.0150		53/6381-2 JS, OM 875 281 N(186148720)	ANY
	IC..210	50.18.0013		PAL 20 L 10 CN (186148020)	ANY
	IC..211	50.14.0111		N 82 S 185 (186148920)	ANY
	IC..212	50.14.0111		N 82 S 185 (186148820)	ANY
	IC..301	50.18.0012		PAL 16 R 8 A-2 CN (186147520)	ANY
	IC..302	50.18.0015		PAL 20 X 8 CN (186147620)	ANY
	IC..303	50.18.0012		PAL 16 R 8 A-2 CN (186147520)	ANY
	IC..304	50.18.0015		PAL 20 X 8 CN (186147620)	ANY
	IC..305	50.06.0374		SN 74 LS 374 N	ANY
	IC..306	50.06.0374		SN 74 LS 374 N	ANY
	IC..307	50.06.0374		SN 74 LS 374 N	ANY
	IC..308	50.06.0374		SN 74 LS 374 N	ANY
	IC..309	50.06.0374		SN 74 LS 374 N	ANY
	IC..310	50.06.0244		SN 74 LS 244 N	ANY
	IC..311	50.14.0111		N 82 S 185 (186148820)	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC..312	50.18.0009		PAL 16 L 8 A-2 CN (186148520)	ANY
	IC..401	50.21.0008		SN 74 F 08	ANY
	IC..402	50.18.0005		PAL 10 H 8 CN (186147820)	ANY
	IC..403	50.18.0005		PAL 10 H 8 CN (186147720)	ANY
	IC..404	50.18.0005		PAL 10 H 8 CN (186147720)	ANY
	IC..405	50.06.0362		SN 74 LS 362 N	ANY
	IC..406	50.18.0011		PAL 16 R 6 A-2 CN (186148320)	ANY
	IC..407	50.18.0011		PAL 16 R 6 A-2 CN (186148320)	ANY
	IC..408	50.18.0011		PAL 16 R 6 A-2 CN (186148120)	ANY
	IC..409	50.18.0010		PAL 16 R 4 A-2 CN (186148220)	ANY
	IC..410	50.18.0010		PAL 16 R 4 A-2 CN (186148220)	ANY
	IC..411	50.18.0010		PAL 16 R 4 A-2 CN (186148220)	ANY
	IC..412	50.18.0010		PAL 16 R 4 A-2 CN (186148220)	ANY
	IC..502	50.06.0174		SN 74 LS 174 N	ANY
	IC..503	50.14.0129		SN 74 LS 219 AN	ANY
	IC..504	50.21.0000		SN 74 F 00	ANY
	IC..505	50.06.0283		SN 74 LS 283 N	ANY
	IC..506	50.06.0283		SN 74 LS 283 N	ANY
	IC..507	50.06.0283		SN 74 LS 283 N	ANY
	IC..508	50.06.0283		SN 74 LS 283 N	ANY
	IC..509	50.06.0283		SN 74 LS 283 N	ANY
	IC..510	50.06.0283		SN 74 LS 283 N	ANY
	IC..511	50.06.0283		SN 74 LS 283 N	ANY
	IC..512	50.06.0283		SN 74 LS 283 N	ANY
	IC..601	50.06.0074		SN 74 LS 74 N	ANY
	IC..602	50.06.0074		SN 74 LS 74 N	ANY
	IC..603	50.21.0000		SN 74 F 00	ANY
	IC..604	50.06.0032		SN 74 LS 32 N	ANY
	IC..605	50.06.0298		SN 74 LS 298N	ANY
	IC..606	50.06.0298		SN 74 LS 298N	ANY
	IC..607	50.06.0298		SN 74 LS 298N	ANY
	IC..608	50.06.0298		SN 74 LS 298N	ANY
	IC..609	50.06.0298		SN 74 LS 298N	ANY
	IC..610	50.06.0298		SN 74 LS 298N	ANY
	IC..611	50.06.0298		SN 74 LS 298N	ANY
	IC..612	50.06.0298		SN 74 LS 298N	ANY
	IC..701	50.06.0595		SN 74 LS 595 N	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC..702	50.06.0595		SN 74 LS 595 N	ANY
	IC..703	50.06.0595		SN 74 LS 595 N	ANY
	IC..704	50.06.0595		SN 74 LS 595 N	ANY
	IC..705	50.14.0129		SN 74 LS 219 AN	ANY
	IC..706	50.14.0129		SN 74 LS 219 AN	ANY
	IC..707	50.14.0129		SN 74 LS 219 AN	ANY
	IC..708	50.14.0129		SN 74 LS 219 AN	ANY
	IC..709	50.14.0129		SN 74 LS 219 AN	ANY
	IC..710	50.14.0129		SN 74 LS 219 AN	ANY
	IC..711	50.14.0129		SN 74 LS 219 AN	ANY
	IC..712	50.14.0129		SN 74 LS 219 AN	ANY
	J.....1	54.14.5028		CONNECTOR 64-PIN FLAT	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....2	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....3	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....4	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....5	21.01.2202	1 PCS	SCREW, COUNTERSUNK HEAD, M2*4	ANY
	MP....6	21.01.2202	1 PCS	SCREW, COUNTERSUNK HEAD, M2*4	ANY
	MP....7	21.01.2202	1 PCS	SCREW, COUNTERSUNK HEAD, M2*4	ANY
	MP....8	21.01.2202	1 PCS	SCREW, COUNTERSUNK HEAD, M2*4	ANY
	MP....9	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...10	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...11	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...12	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...13	28.21.1370	1 PCS	RIVETING NUT, D2.2585.5	ANY
	MP...14	28.21.1370	1 PCS	RIVETING NUT, D2.2585.5	ANY
	MP...15	28.21.1370	1 PCS	RIVETING NUT, D2.2585.5	ANY
	MP...16	28.99.0119	1 PCS	RIVETING NUT, D2.590*159 10	ANY
	MP...17	28.99.0119	1 PCS	RIVETING NUT, D2.590*159 10	ANY
	MP...18	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP...19	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP...20	1.010.096.49	1 PCS	TRANSPARENT COVER	ANY
	MP...21	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...22	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
	MP...23	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
	MP...24	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
	MP...25	1.861.750.01	1 PCS	METAL PLATE	ANY
	MP...26	1.861.750.02	1 PCS	INSULATOR	ANY
	MP...27	1.861.750.11	1 PCS	PCB	St
	MP...28	1.861.855.01	1 PCS	NAME PLATE, 0.3091	St
	MP...29	1.010.121.51	1 PCS	LABEL "FUSE 4A"	St
	MP...30	1.101.001.20	1 PCS	LABEL "RELEASE VERSION -20"	St
	MP...31	43.01.0108	1 PCS	LABEL "ESE"	ANY
	P.....1	54.01.0354		CARD CONNECTOR, 3*32 EURO WIRE WRAP	ANY
	P.....2	1.010.028.54	1418 PCS	CONTACT PINS, QTY=1418	ANY
	P.....3	1.010.029.54	165 PCS	DUMMY PINS, QTY=165	ANY
	P.....4	1.010.027.54	64 PCS	FRONT PIN, QTY=64	ANY
	RZ..109	57.89.3102	1*91k	2%	ANY
	RZ..501	57.89.3102	1*91k	2%	ANY
	RZ.1051	57.88.4332	8 *3.3k	5%, SINGLE LINE	ANY
	RZ.1052	57.88.4332	8 *3.3k	5%, SINGLE LINE	ANY
	RZ.1071	57.88.4332	8 *3.3k	5%, SINGLE LINE	ANY
	RZ.1072	57.88.4332	8 *3.3k	5%, SINGLE LINE	ANY
	TP....1	29.21.6002		TESTPOINT	ANY
	TP....2	29.21.6002		TESTPOINT	ANY
	TP....3	29.21.6002		TESTPOINT	ANY
	TP....4	29.21.6002		TESTPOINT	ANY
	W.....1	64.01.0345	109400mm	WIRE WRAP TYPE	ANY
	XF....1	53.03.0142		CLAMP, 5*20	ANY
	XF....2	53.03.0142		CLAMP, 5*20	ANY

REMARKS:

MANUFACTURERS:
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ABBREVIATIONS:
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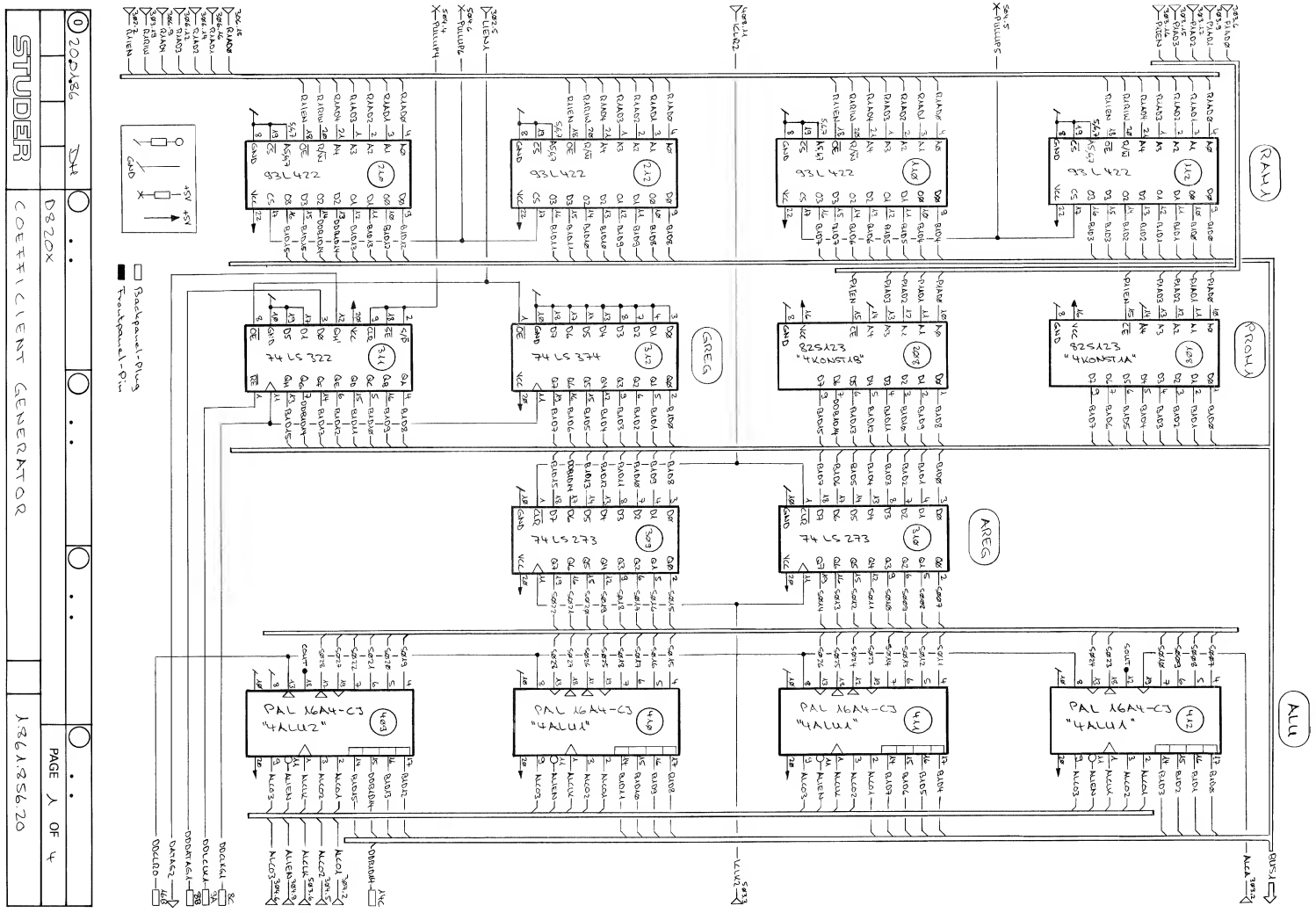
COEFFICIENT GENERATOR 1.861.856.00 PAGE 1



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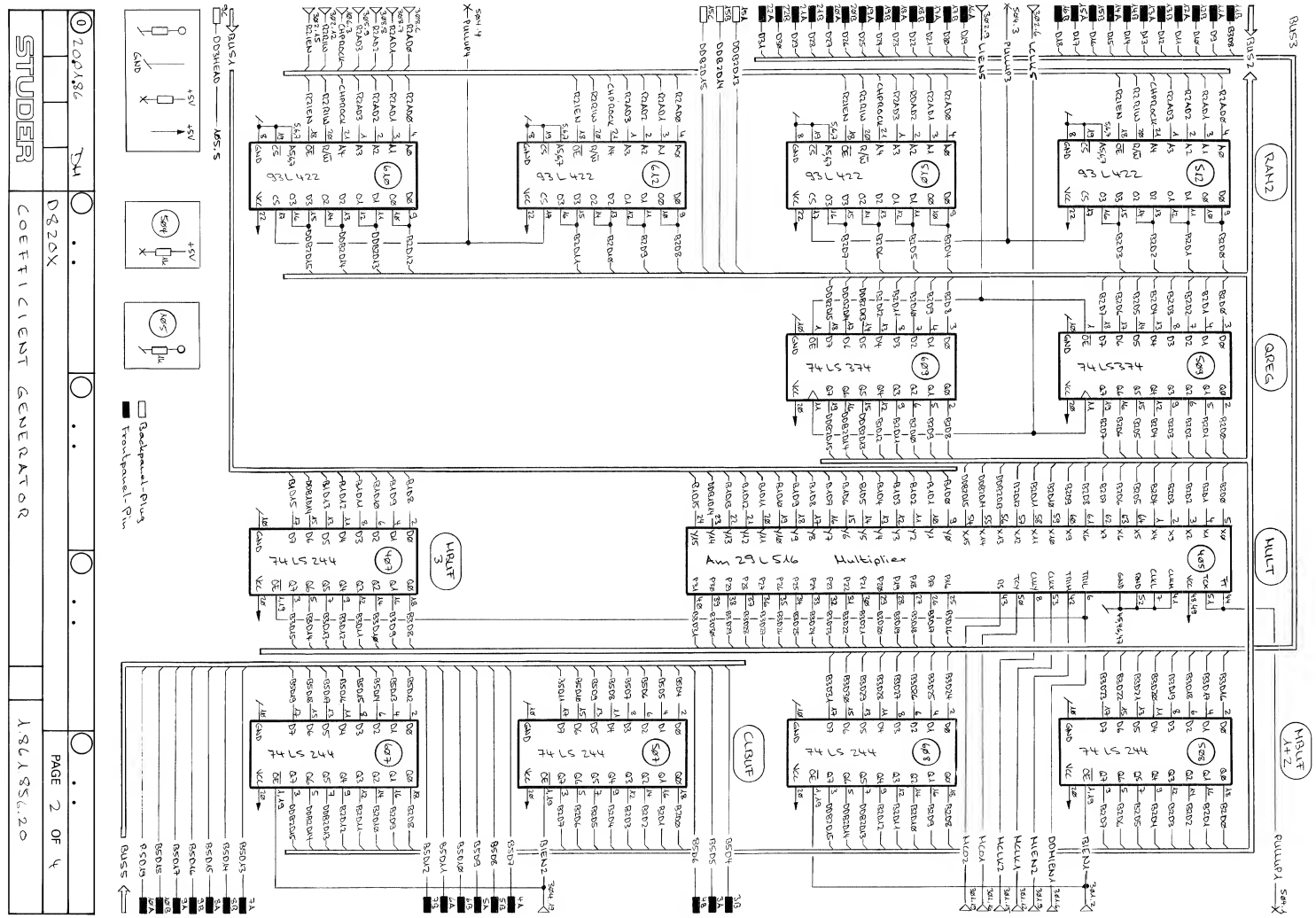

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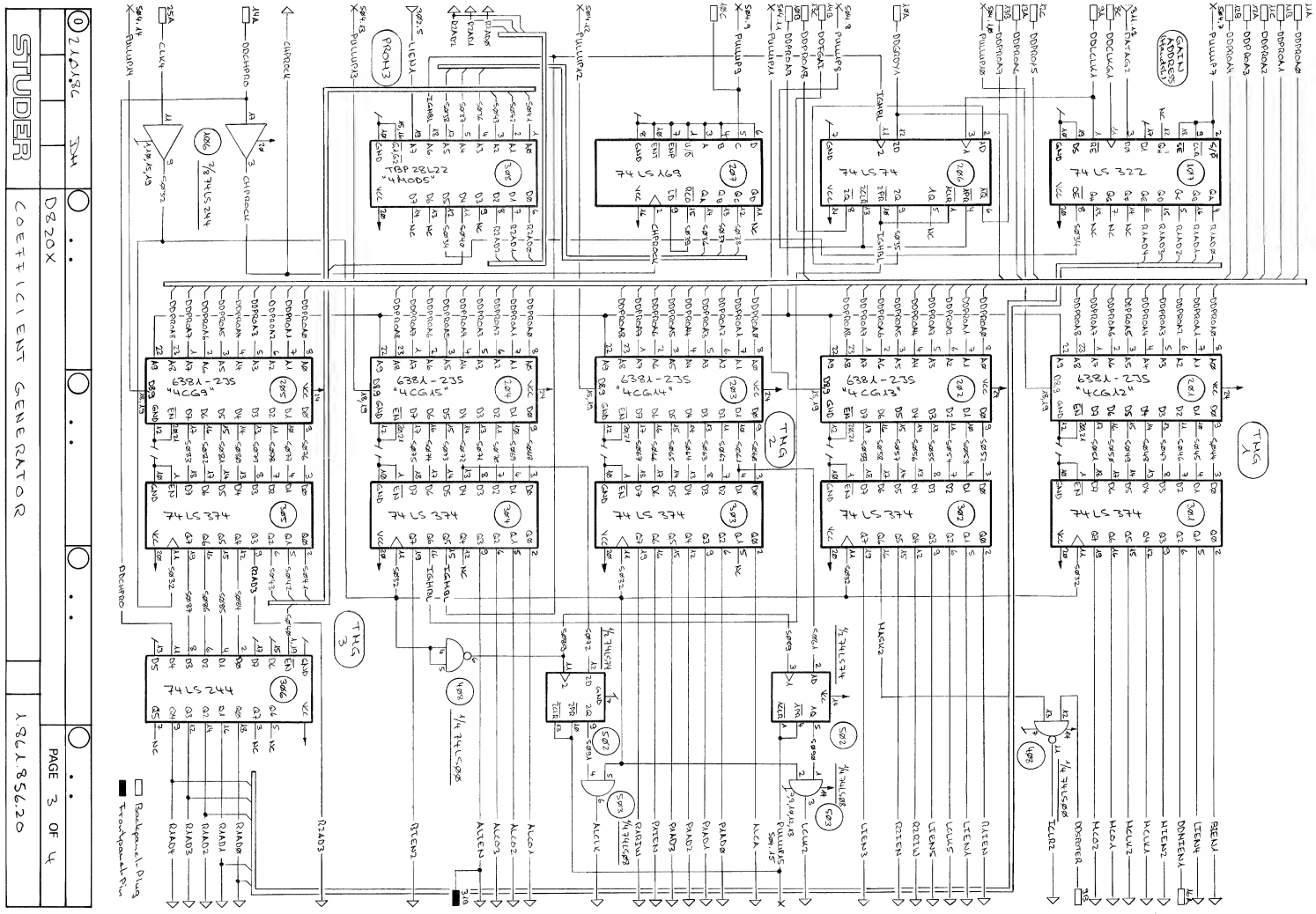

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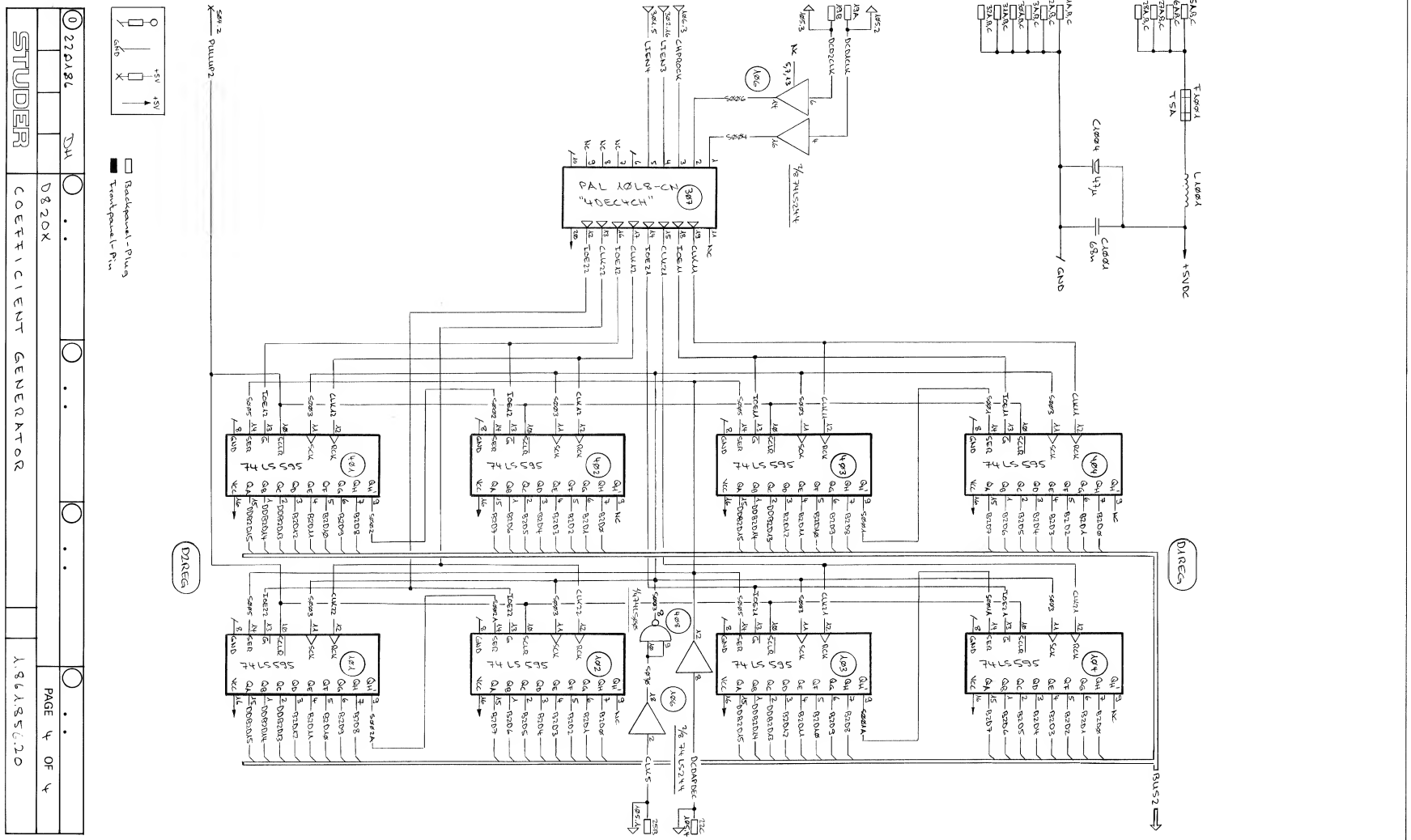
COEFFICIENT GENERATOR 1.861.856.00 PAGE 4



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COEFFICIENT GENERATOR 1.861.856.00 PAGE 5

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....	1	59-22-5470	47u	50%, 10V, ELECTROLYTIC	ANY
C....	2	1.010.001-59	68 PCS	68n, 50%, 10V	St
F....	1	51.01.0122		FUSE, 3.15AT/250V, 5*20mm	ANY
IC..	101	50.06.0595		SN 74 LS 595 N	ANY
IC..	102	50.06.0595		SN 74 LS 595 N	ANY
IC..	103	50.06.0595		SN 74 LS 595 N	ANY
IC..	104	50.06.0595		SN 74 LS 595 N	ANY
IC..	106	50.06.0244		SN 74 LS 244 N	ANY
IC..	107	50.06.0322		SN 74 LS 322 AN	ANY
IC..	108	50.05.0206		N 82 S 123 Na MMI 631-1 J (186149201)	ANY
IC..	110	50.14.0127		93 L 422 PC	ANY
IC..	112	50.14.0127		93 L 422 PC	ANY
IC..	201	50.14.0150		53/6381-2 JS, OM 875 281 (186149320)	ANY
IC..	202	50.14.0150		53/6381-2 JS, OM 875 281 (186149320)	ANY
IC..	203	50.14.0150		53/6381-2 JS, OM 875 281 (186149320)	ANY
IC..	204	50.14.0150		53/6381-2 JS, OM 875 281 (186149320)	ANY
IC..	205	50.14.0150		53/6381-2 JS, OM 875 281 (186149320)	ANY
IC..	206	50.06.0074		SN 74 LS 74 N	ANY
IC..	207	50.06.0669		SN 74 LS 669 N	ANY
IC..	208	50.05.0206		N 82 S 123 Na MMI 631-1 J (186149201)	ANY
IC..	210	50.14.0127		93 L 422 PC	ANY
IC..	212	50.14.0127		93 L 422 PC	ANY
IC..	301	50.06.0374		SN 74 LS 374 N	ANY
IC..	302	50.06.0374		SN 74 LS 374 N	ANY
IC..	303	50.06.0374		SN 74 LS 374 N	ANY
IC..	304	50.06.0374		SN 74 LS 374 N	ANY
IC..	305	50.06.0374		SN 74 LS 374 N	ANY
IC..	306	50.06.0244		SN 74 LS 244 N	ANY
IC..	307	50.18.0006		10-L8-CN (186149220)	ANY
IC..	308	50.14.0114		TRP 28L 22Na 6309-1N (186149520)	ANY
IC..	309	50.06.0273		SN 74 LS 273 N	ANY
IC..	310	50.06.0273		SN 74 LS 273 N	ANY
IC..	311	50.06.0322		SN 74 LS 322 AN	ANY
IC..	312	50.06.0374		SN 74 LS 374 N	ANY
IC..	401	50.06.0595		SN 74 LS 595 N	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC..	402	50.06.0595		SN 74 LS 595 N	ANY
IC..	403	50.06.0595		SN 74 LS 595 N	ANY
IC..	404	50.06.0595		SN 74 LS 595 N	ANY
IC..	405	50.16.0117		AM 29L516 DC	ANY
IC..	407	50.06.0244		SN 74 LS 244 N	ANY
IC..	408	50.06.0000		SN 74 LS 00 N	ANY
IC..	409	50.18.0008		PAL 16 A 4 CJ (186149120)	ANY
IC..	410	50.18.0008		PAL 16 A 4 CJ (186149020)	ANY
IC..	411	50.18.0008		PAL 16 A 4 CJ (186149020)	ANY
IC..	412	50.18.0008		PAL 16 A 4 CJ (186149020)	ANY
IC..	502	50.06.0074		SN 74 LS 74 N	ANY
IC..	503	50.06.0008		SN 74 LS 08 N	ANY
IC..	507	50.06.0244		SN 74 LS 244 N	ANY
IC..	508	50.06.0244		SN 74 LS 244 N	ANY
IC..	509	50.06.0374		SN 74 LS 374 N	ANY
IC..	510	50.14.0127		93 L 422 PC	ANY
IC..	512	50.14.0127		93 L 422 PC	ANY
IC..	607	50.06.0244		SN 74 LS 244 N	ANY
IC..	608	50.06.0244		SN 74 LS 244 N	ANY
IC..	609	50.06.0374		SN 74 LS 374 N	ANY
IC..	610	50.14.0127		93 L 422 PC	ANY
IC..	612	50.14.0127		93 L 422 PC	ANY
J....	1	54.14.5028		CONNECTOR 64-PIN FLAT	ANY
L....	1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
MP....	1	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
MP....	2	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
MP....	3	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
MP....	4	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
MP....	5	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
MP....	6	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
MP....	7	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
MP....	8	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
MP....	9	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
MP....	10	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
MP....	11	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
MP....	12	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
MP....	13	28.21.1370	1 PCS	RIVETING NUT, D2.2*5.5	ANY
MP....	14	28.21.1370	1 PCS	RIVETING NUT, D2.2*5.5	ANY
MP....	15	28.21.1370	1 PCS	RIVETING NUT, D2.2*5.5	ANY
MP....	16	28.99.0119	1 PCS	RIVETING NUT, D2.5*0.15*10	ANY
MP....	17	28.99.0119	1 PCS	RIVETING NUT, D2.5*0.15*10	ANY
MP....	18	1.010.006.33	1 PCS	MARKING HANDLE	ANY
MP....	19	1.010.006.33	1 PCS	MARKING HANDLE	ANY
MP....	20	1.010.096.49	1 PCS	TRANSPARENT COVER	ANY
MP....	21	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
MP....	22	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
MP....	23	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
MP....	24	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
MP....	25	1.861.750.01	1 PCS	METAL PLATE	ANY
MP....	26	1.861.750.02	1 PCS	INSULATOR	ANY
MP....	27	1.861.750.11	1 PCS	PCB	St
MP....	28	1.861.856.01	1 PCS	NAME PLATE, 6.3*91	ANY
MP....	29	1.861.856.02	1 PCS	HEATSINK FOR MULTIPLIER	St
MP....	30	43.01.0108	1 PCS	LABEL "FUSE"	ANY
MP....	31	1.010.120.51	1 PCS	LABEL "FUSE 3.15A"	St
MP....	32	1.101.001.20	1 PCS	LABEL "RELEASE-VERSION -20"	St
P....	1	54.01.0354		CARD CONNECTOR, 3*32 EURO WIRE WRAP	ANY
P....	2	1.010.028.54	1126 PCS	CONTACT PINS, QTY=1126	ANY
P....	3	1.010.029.54	165 PCS	DUMMY PINS, QTY=165	ANY
P....	4	1.010.027.54	64 PCS	FRONT PIN, QTY=64	ANY
RZ..	105	57.85.3102	1*1k	2%, OIL16	ANY
RZ..	504	57.85.3102	1*1k	2%, OIL16	ANY
RZ..	601	57.85.3103	1*10k	5%, OIL16	ANY
RZ..	602	57.85.3103	1*10k	5%, OIL16	ANY
RZ..	603	57.85.3103	1*10k	5%, OIL16	ANY
RZ..	604	57.85.3103	1*10k	5%, OIL16	ANY
TP....	1	29.21.6002		TESTPOINT	ANY
TP....	2	29.21.6002		TESTPOINT	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
TP....	3	29.21.6002		TESTPOINT	ANY
TP....	4	29.21.6002		TESTPOINT	ANY
W....	1	64.01.0345	86000mm	WIRE WRAP CABLE	ANY
XF....	1	53.03.0142		CLAMP, 5*20	ANY
XF....	2	53.03.0142		CLAMP, 5*20	ANY

REMARKS:

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XIC = IC SOCKET

ORIG 85/26/11

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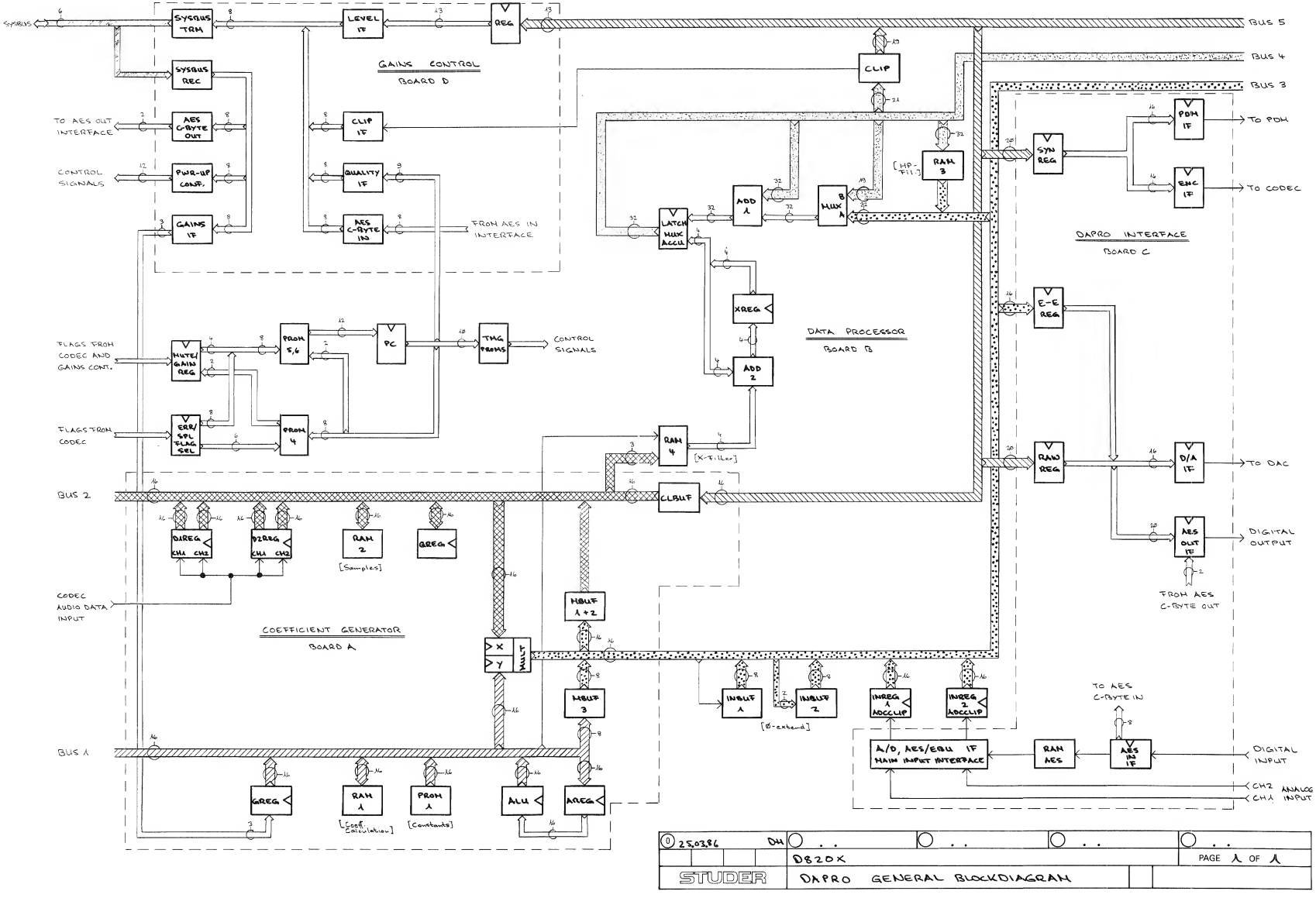
COEFFICIENT GENERATOR 1.861.856.00 PAGE 6 (LAST)



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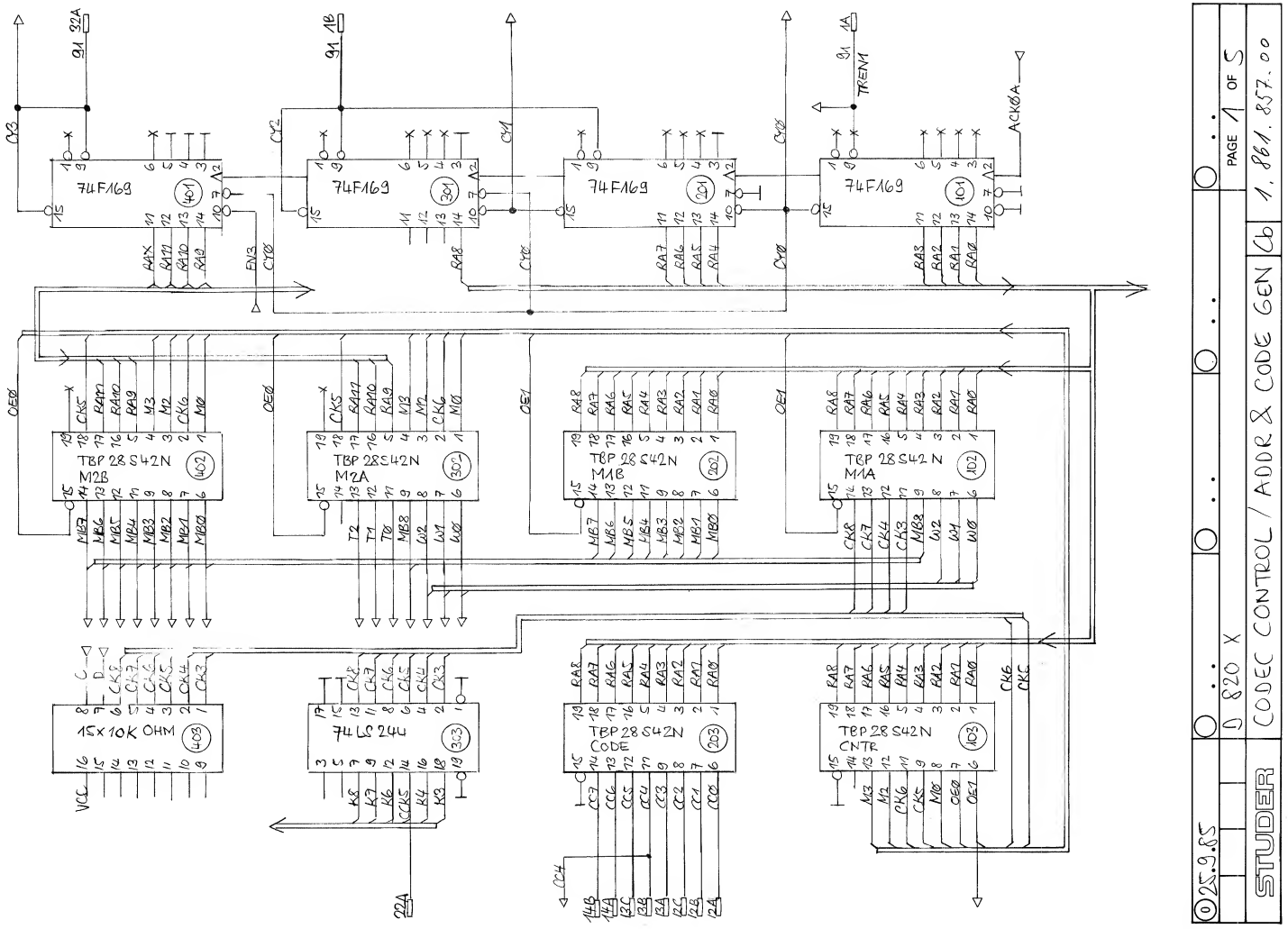
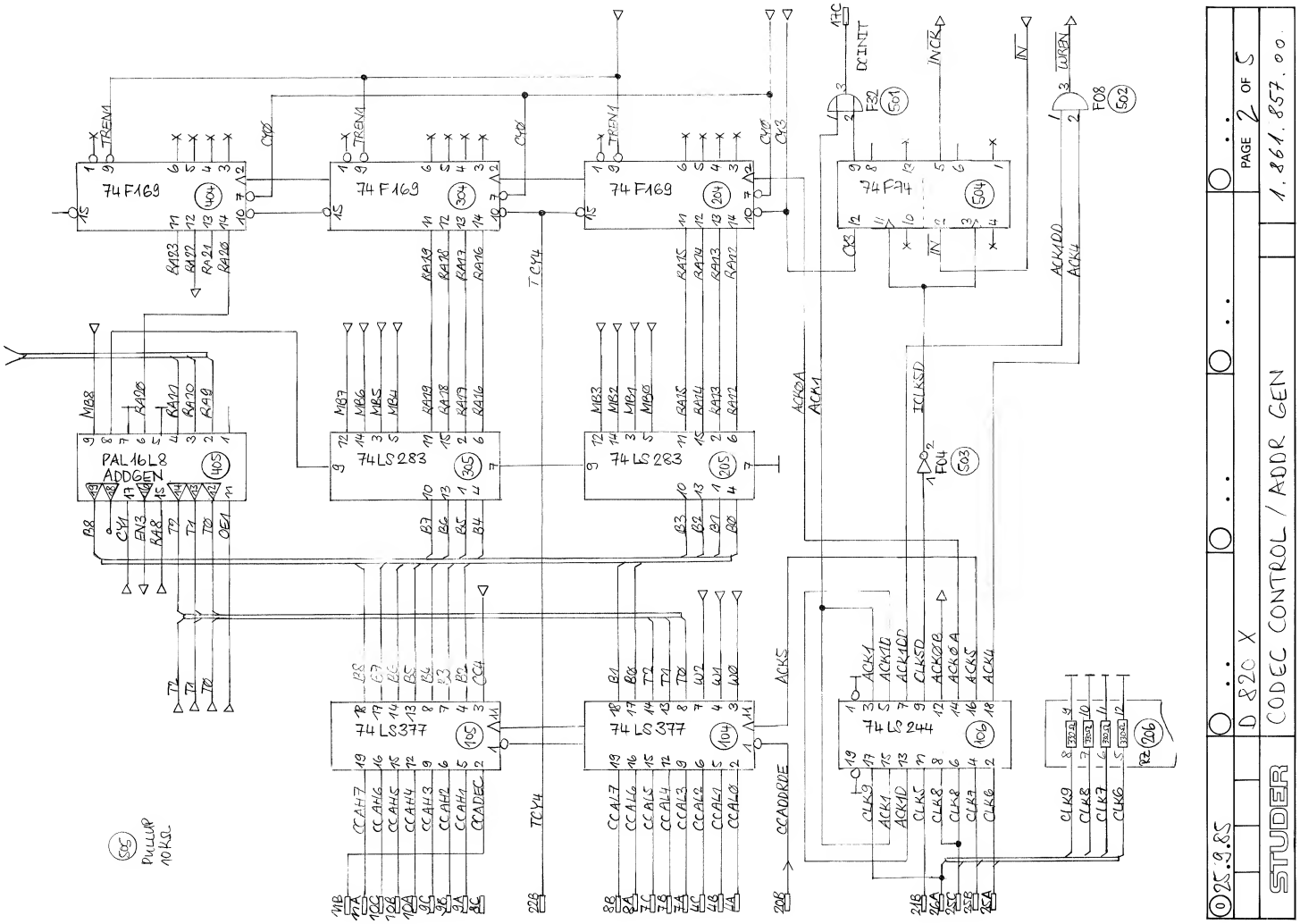


CODEC CONTROL 1.861.857.00 PAGE 2



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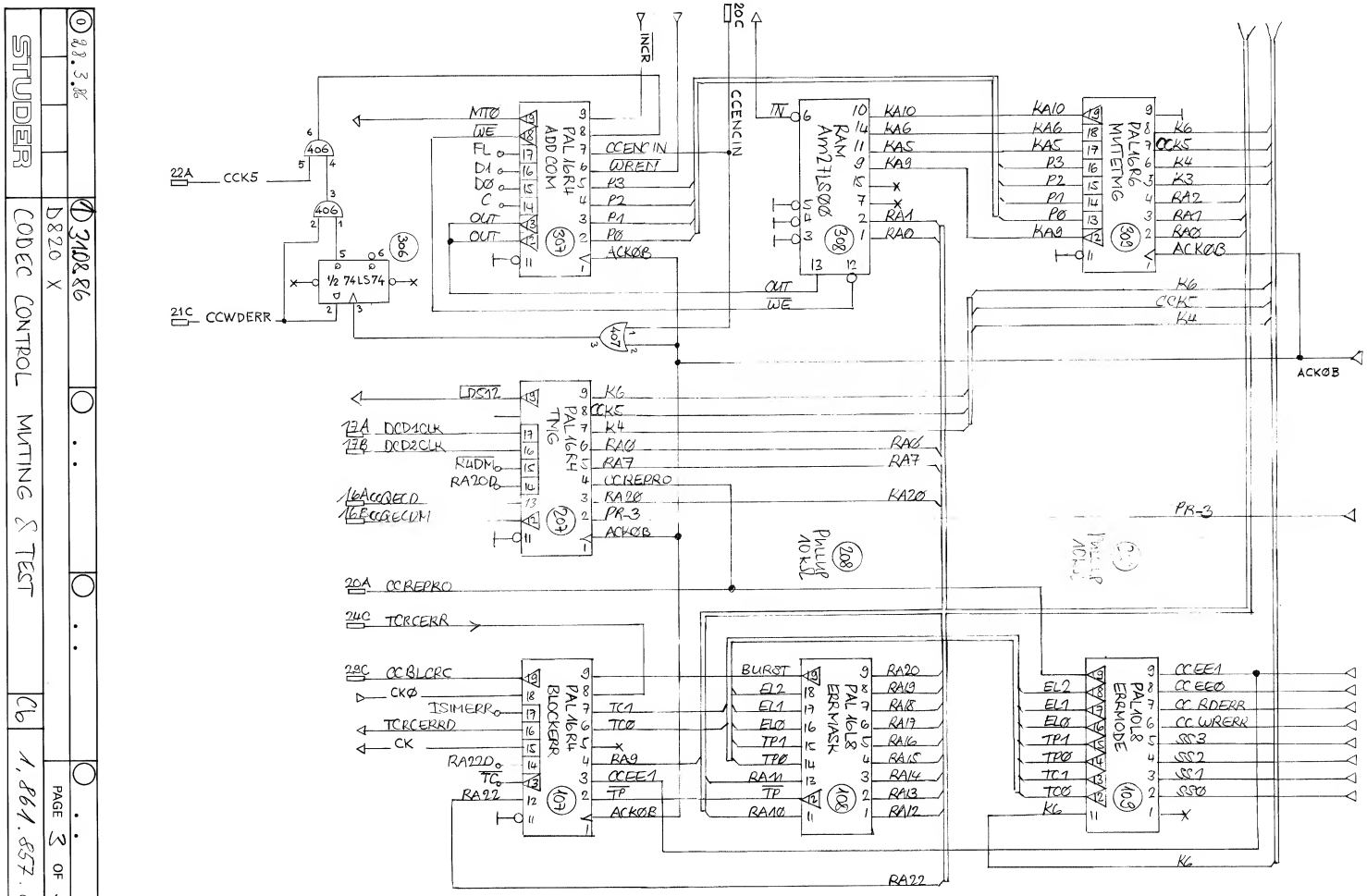

STUDER | CODEC CONTROL MUTING & TEST | D820 X | 1.861.857.00 | 06 | 03.86 | PAGE 3 OF 5

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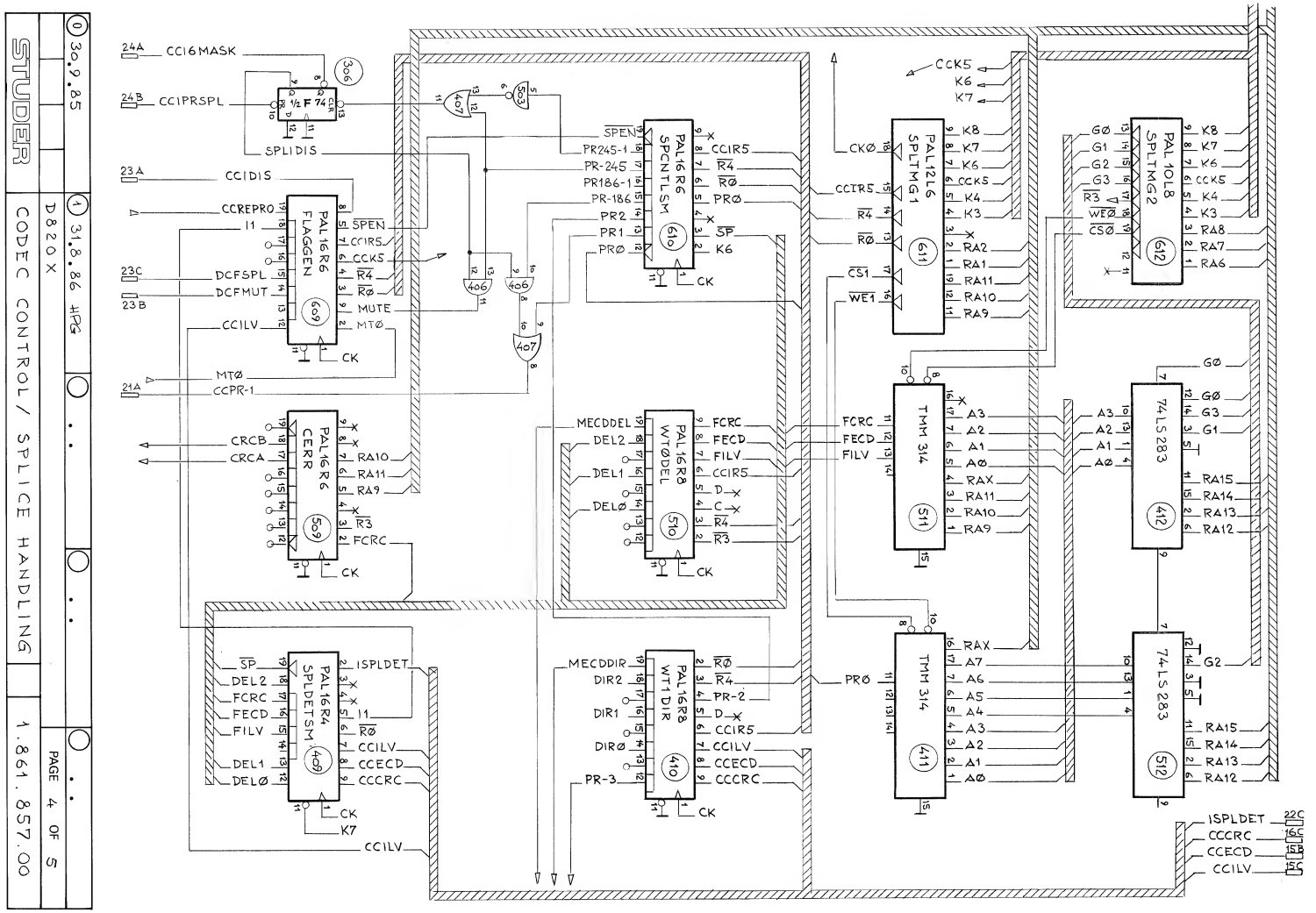
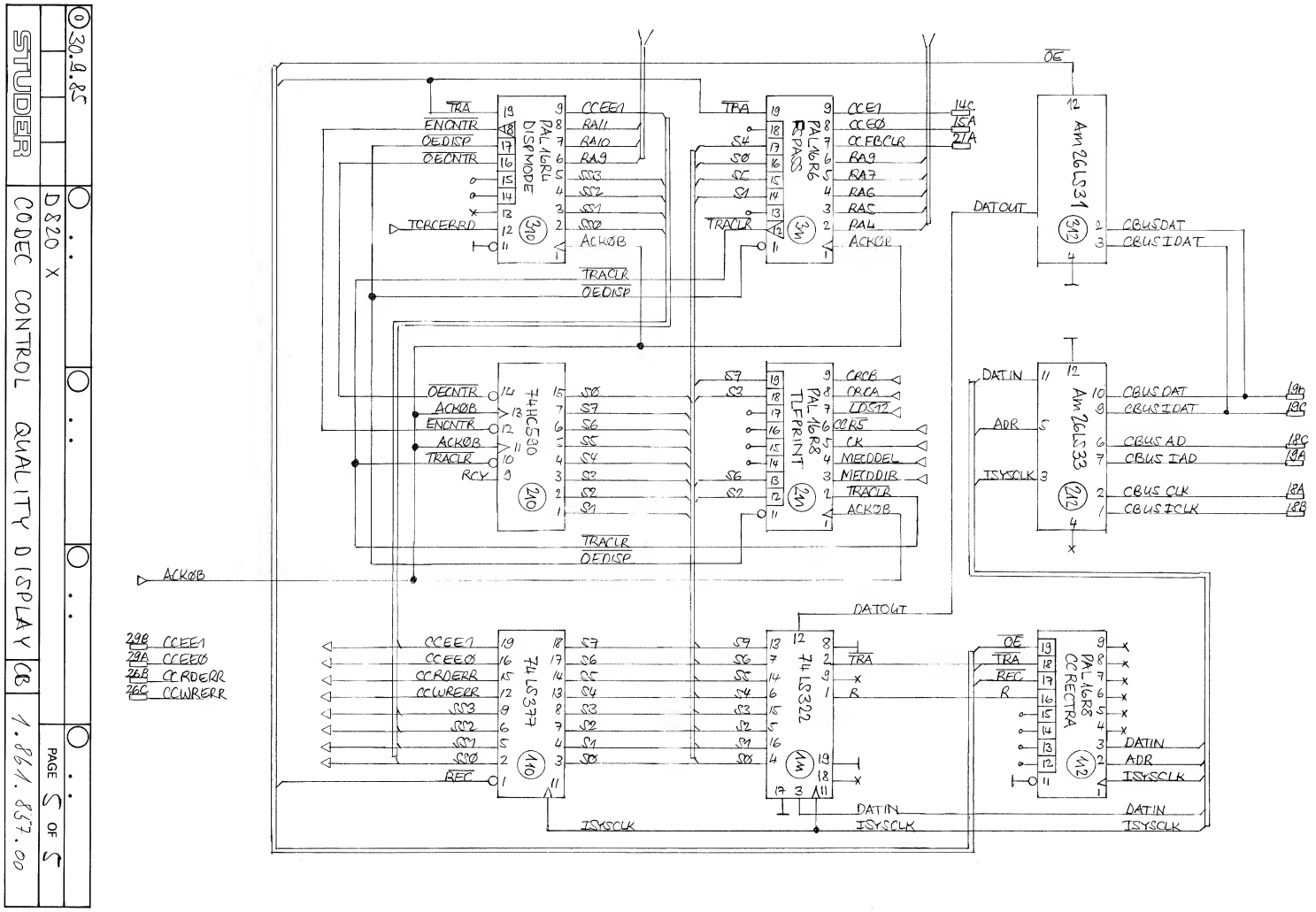


CODEC CONTROL 1.861.857.00 PAGE 5



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CODEC CONTROL 1.861.857.00 PAGE 6 (LAST)

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.25.3470	47u	50%, 10V, ELECTROLYTIC	ANY
	C....2	1.010.001.59	68n	50%, 10V, QTY=44	St
	F....1	51.01.0123		FUSE, 4AT/250V, 5*20mm	ANY
	IC..101	50.21.0169		74 F 169	ANY
	IC..102	50.14.0120		TBP 28 S 42 N, 512*8 PROM (186160020)	ANY
	IC..103	50.14.0120		TBP 28 S 42 N, 512*8 PROM (186180520)	ANY
	IC..104	50.06.0377		SN 74 LS 377 N	ANY
	IC..105	50.06.0377		SN 74 LS 377 N	ANY
	IC..106	50.06.0744		SN 74 LS 244 N	ANY
	IC..107	50.18.0010		PAL 16 R 4 A-2CN (186160920)	ANY
	IC..108	50.18.0009		PAL 16 L 8 A-2CN (186160720)	ANY
	IC..109	50.18.0008		PAL 10 L 8 CN (186160820)	ANY
	IC..110	50.06.0377		SN 74 LS 377 N	ANY
	IC..111	50.06.0322		74 LS 322 N	ANY
	IC..112	50.18.0012		PAL 16 R 8 A-2CN (186160920)	ANY
	IC..201	50.21.0169		74 F 169	ANY
	IC..202	50.14.0120		TBP 28 S 42 N, 512*8 PROM (186160020)	ANY
	IC..203	50.14.0120		TBP 28 S 42 N, 512*8 PROM (186160020)	ANY
	IC..204	50.21.0169		74 F 169	ANY
	IC..205	50.06.0283		SN 74 LS 283 N	ANY
	IC..207	50.18.0010		PAL 16 R 4 A-2CN (186161020)	ANY
	IC..210	50.17.1590		74 HC 590	ANY
	IC..211	50.18.0012		PAL 16 R 8 A-2CN (186161120)	ANY
	IC..212	50.15.0109		AM 26 LS 33 PC	ANY
	IC..301	50.21.0169		74 F 169	ANY
	IC..302	50.14.0120		TBP 28 S 42 N, 512*8 PROM (186160020)	ANY
	IC..303	50.06.0744		SN 74 LS 244 N	ANY
	IC..304	50.21.0169		74 F 169	ANY
	IC..305	50.06.0283		SN 74 LS 283 N	ANY
(01)	IC..306	50.21.0074		SN 74 F 74	ANY
	IC..307	50.18.0010		PAL 16 R 4 A-2CN (186161220)	ANY
	IC..308	50.14.0115		AM 27 LS 00 PC, RAM 256*1	AMD
	IC..309	50.18.0011		PAL 16 R 6 A-2CN (186161320)	ANY
	IC..310	50.18.0010		PAL 16 R 4 A-2CN (186161420)	ANY
	IC..311	50.18.0011		PAL 16 R 6 A-2CN (186161520)	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC..312	50.15.0103		AM 26 LS 31 PC	ANY
	IC..401	50.21.0169		74 F 169	ANY
	IC..402	50.14.0120		TBP 28 S 42 N, 512*8 PROM (186160020)	ANY
	IC..404	50.21.0169		74 F 169	ANY
	IC..405	50.18.0009		PAL 16 L 8 A-2CN (186161620)	ANY
(01)	IC..406	50.21.0028		SN 74 F 08	ANY
(01)	IC..407	50.21.0032		SN 74 F 32	ANY
	IC..409	50.18.0010		PAL 16 R 4 A-2CN (186161720)	ANY
	IC..410	50.18.0012		PAL 16 R 8 A-2CN (186161820)	ANY
	IC..411	50.14.0116		TMM 2114 AP-15 RAM	ANY
	IC..412	50.06.0283		SN 74 LS 283 N	ANY
	IC..501	50.21.0032		SN 74 F 32 N	ANY
	IC..502	50.21.0008		74 F 08	ANY
	IC..503	50.21.0004		SN 74 F 04	ANY
	IC..504	50.21.0074		SN 74 F 74	ANY
	IC..509	50.18.0011		PAL 16 R 6 A-2CN (186161920)	ANY
	IC..510	50.18.0012		PAL 16 R 8 A-2 CN (186162020)	ANY
	IC..511	50.14.0116		TMM 2114 AP-15 RAM	ANY
	IC..512	50.06.0283		SN 74 LS 283 N	ANY
	IC..609	50.18.0011		PAL 16 R 6 A-2CN (186162120)	ANY
	IC..610	50.18.0011		PAL 16 R 6 A-2CN (186162220)	ANY
	IC..611	50.18.0016		PAL 12 L 6 CN (186162320)	ANY
	IC..612	50.18.0006		PAL 10 L 8 CN (186162420)	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....2	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....3	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....4	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....5	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....6	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....7	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....8	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....9	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....10	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....11	24.16.1025		LOCK WASHER, M2.5	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....12	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....13	28.21.1370		RIVETING NUT, D2.25*5.5	ANY
	MP....14	28.21.1370		RIVETING NUT, D2.25*5.5	ANY
	MP....15	28.21.1370		RIVETING NUT, D2.25*5.5	ANY
	MP....16	28.99.0119		RIVETING NUT, D2.5*0.15*10	ANY
	MP....17	28.99.0119		RIVETING NUT, D2.5*0.15*10	ANY
	MP....18	1.010.006.33		MARKING HANDLE	ANY
	MP....19	1.010.006.33		MARKING HANDLE	ANY
	MP....20	1.010.096.49		TRANSPARENT COVER	ANY
	MP....21	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....22	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....23	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....24	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....25	1.861.750.01		METAL PLATE	ANY
	MP....26	1.861.750.07		INSULATOR	ANY
	MP....27	1.861.750.11		PCB	St
	MP....28	1.861.857.01		NAME PLATE, 0.3*91	ANY
	MP....29	1.010.121.51		LABEL "FUSE 4.0A"	St
	MP....30	1.101.001.20		LABEL "HARDWARE VERSION -20"	St
	MP....31	43.01.0100		LABEL "ESD"	ANY
	MP....32	1.010.128.49		GUIDING TEMPLATE	St
	P.....1	54.01.0354		CARD CONNECTOR, 3*32 EURO WIRE WRAP	ANY
	P.....2	1.010.029.54		CONTACT PINS, QTY=1136	ANY
	P.....3	1.010.029.54		DUMMY PINS, QTY=240	ANY
	P.....4	1.010.027.54		FRONT PIN, QTY=8	ANY
(01)	RZ..206	57.88.3331	88330	5%, OIL 16	ANY
	RZ..208	57.85.3103	15*10k	5%, OIL 16	ANY
	RZ..209	57.85.3103	15*10k	5%, OIL 16	ANY
	RZ..403	57.85.3103	15*10k	5%, OIL 16	ANY
	RZ..505	57.85.3103	15*10k	5%, OIL 16	ANY
	TP....1	29.21.6002		TESTPOINT	ANY
	TP....2	29.21.6002		TESTPOINT	ANY
	TP....3	29.21.6002		TESTPOINT	ANY
	TP....4	29.21.6002		TESTPOINT	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	W.....1	64.01.0345	71000mm	WRAP TYPE	ANY
	XF....1	53.03.0142		CLAMP, 5*20	ANY
	XF....2	53.03.0142		CLAMP, 5*20	ANY

REMARKS: MOD 01: A2U6 REPLACED BY RZ206, 3 NEW IC QUE TO SPLICE IMPROVEMENTS

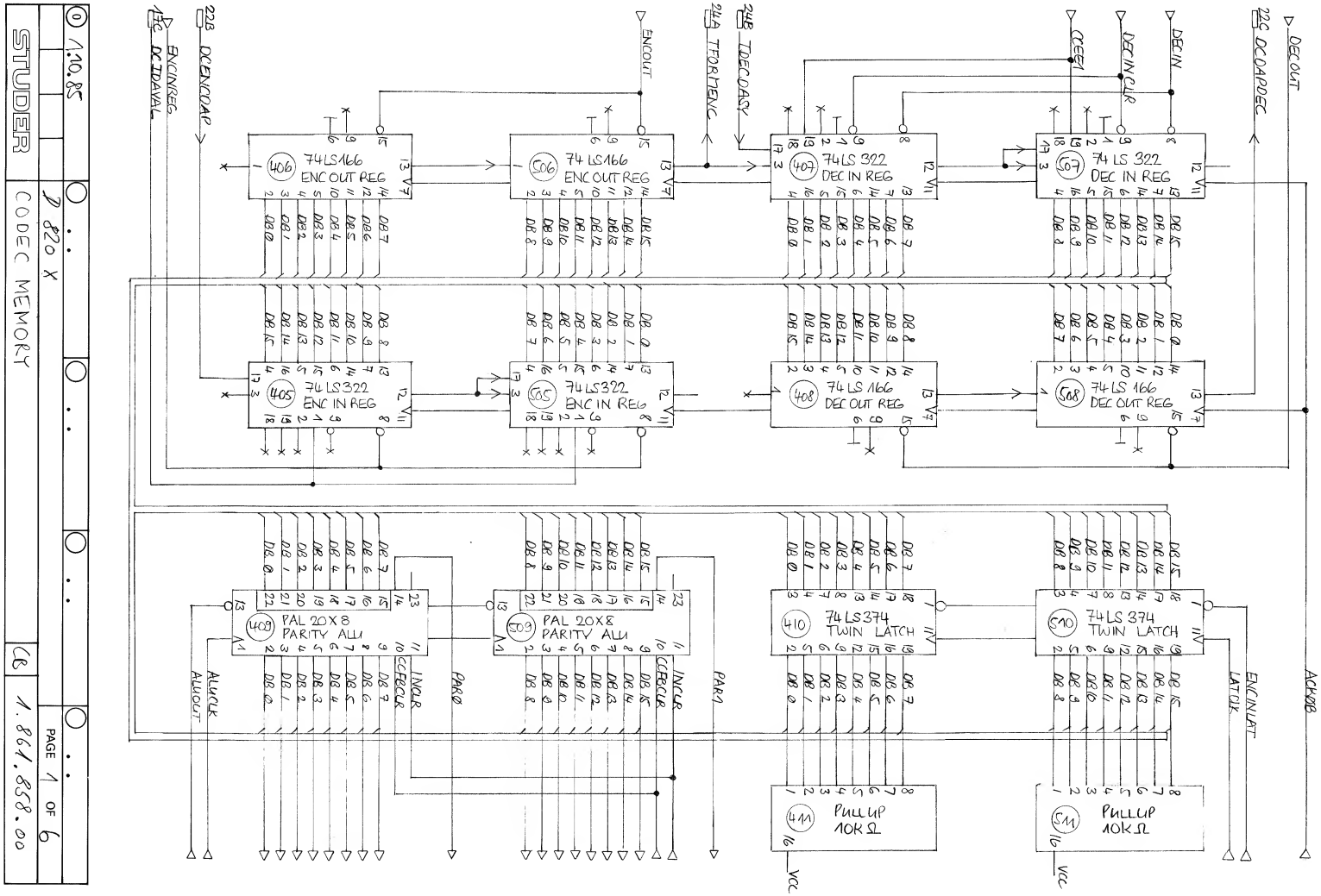
MANUFACTURERS:
St = STUDER / Ph = PHILIPS

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES / <IC = IC SOCKET

ORIG 86/02/27 (20) 86/10/06

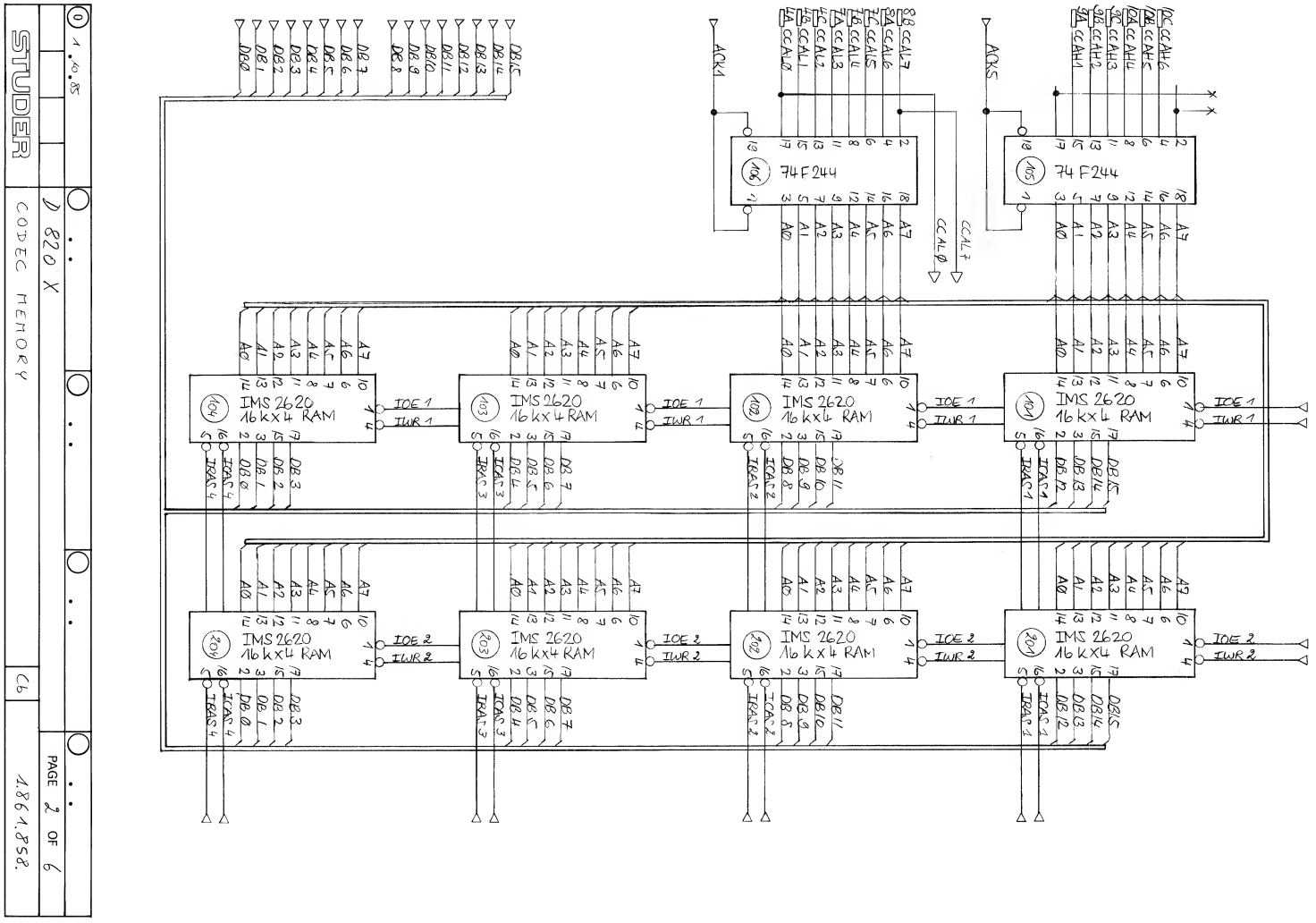
PUBLISHED: 11/86

CODEC MEMORY 1.861.858.00 PAGE 1

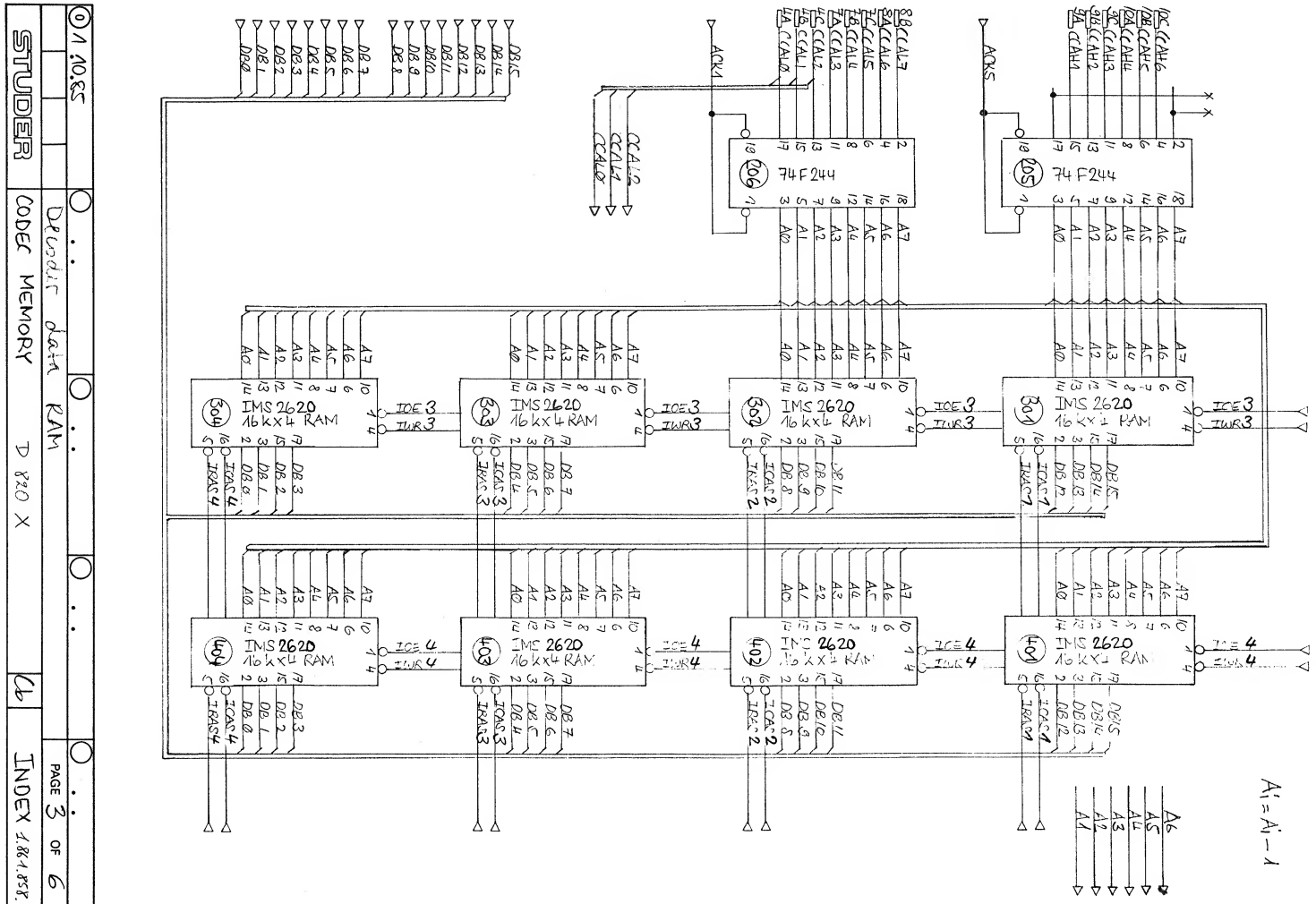


0	1.10.85				
STUDER	D 820 X				
	CODEC MEMORY				
		CB	1.861.858.00	PAGE 1 OF 6	

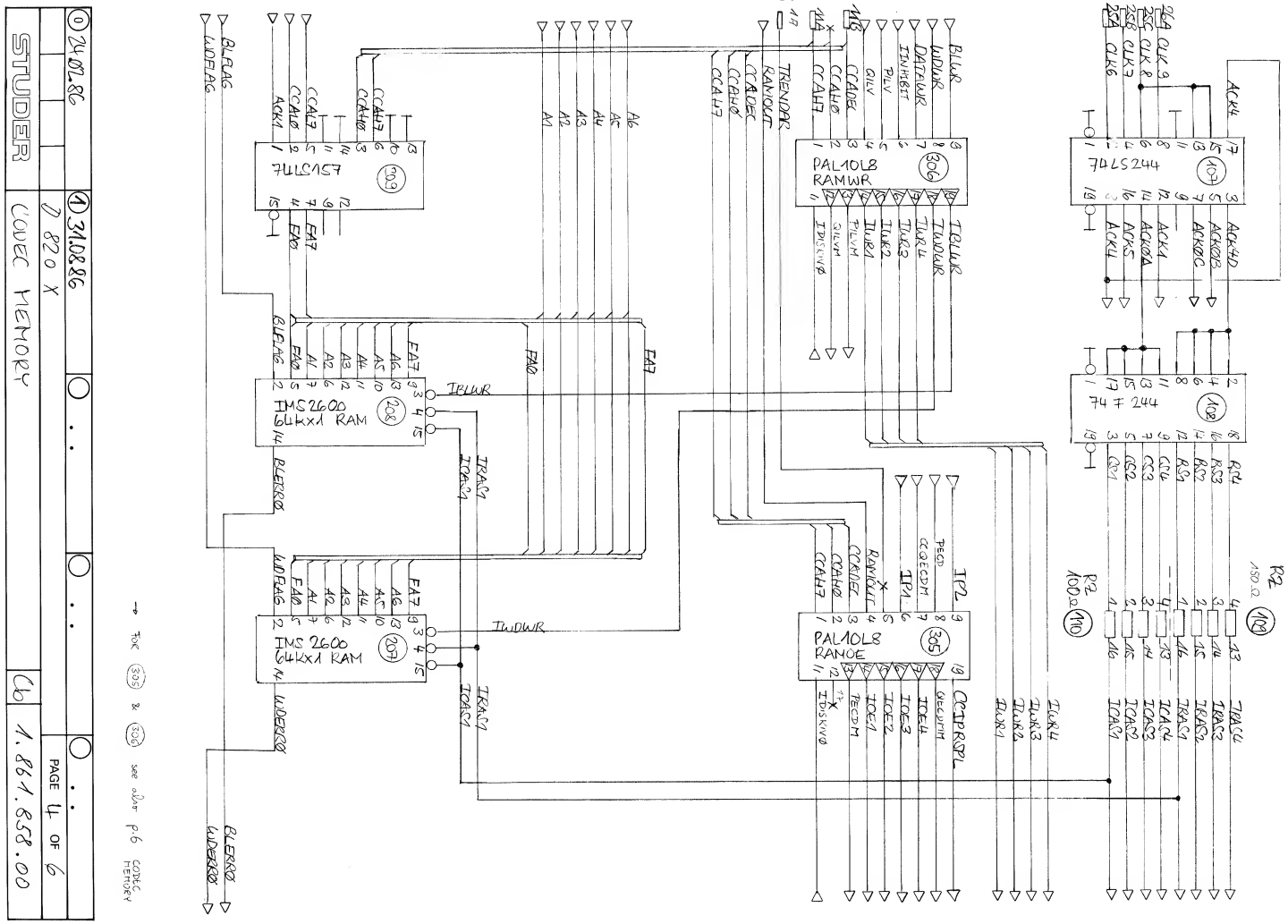
CODEC MEMORY 1.861.858.00 PAGE 2



CODEC MEMORY 1.861.858.00 PAGE 3

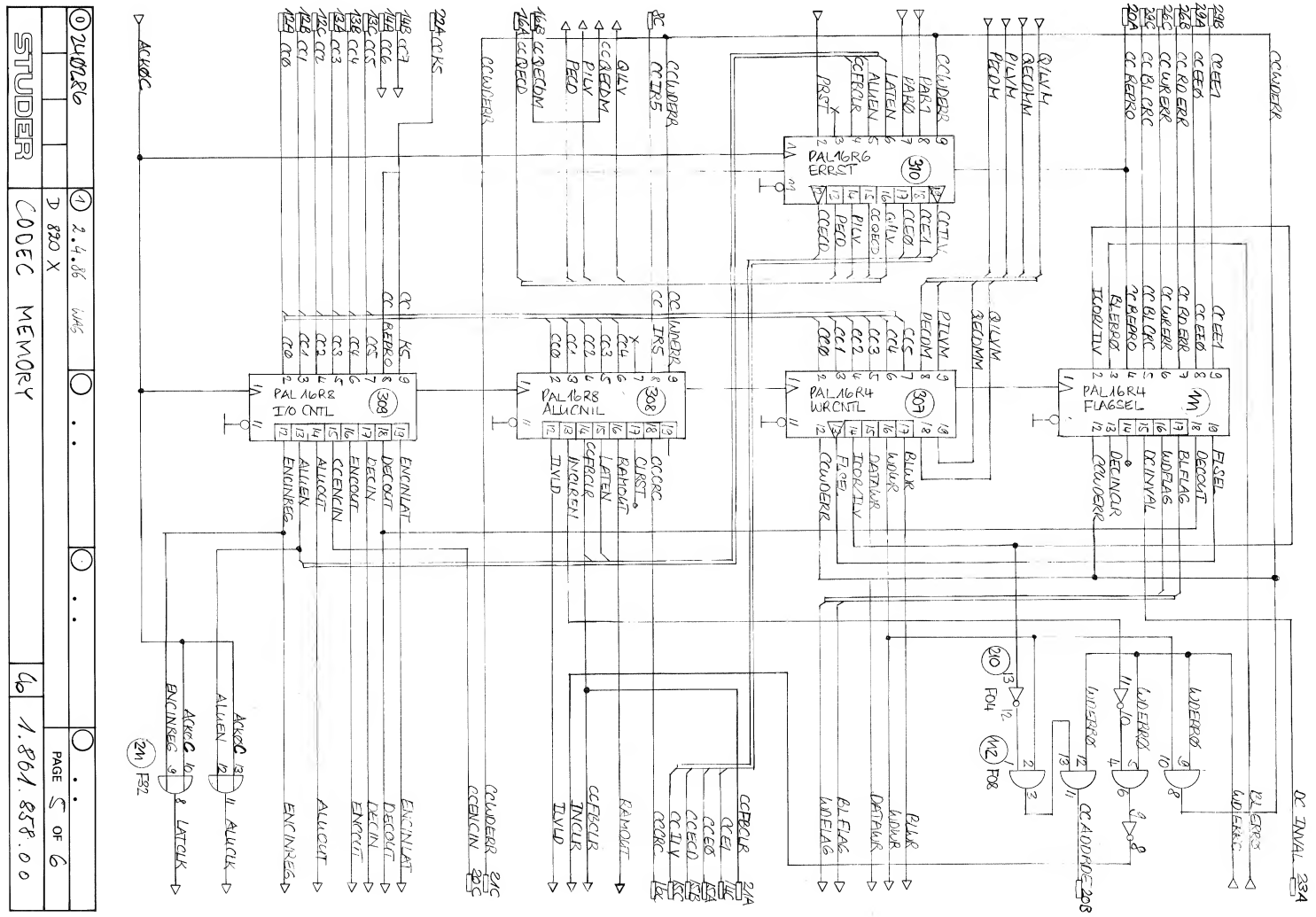


CODEC MEMORY 1.861.858.00 PAGE 4

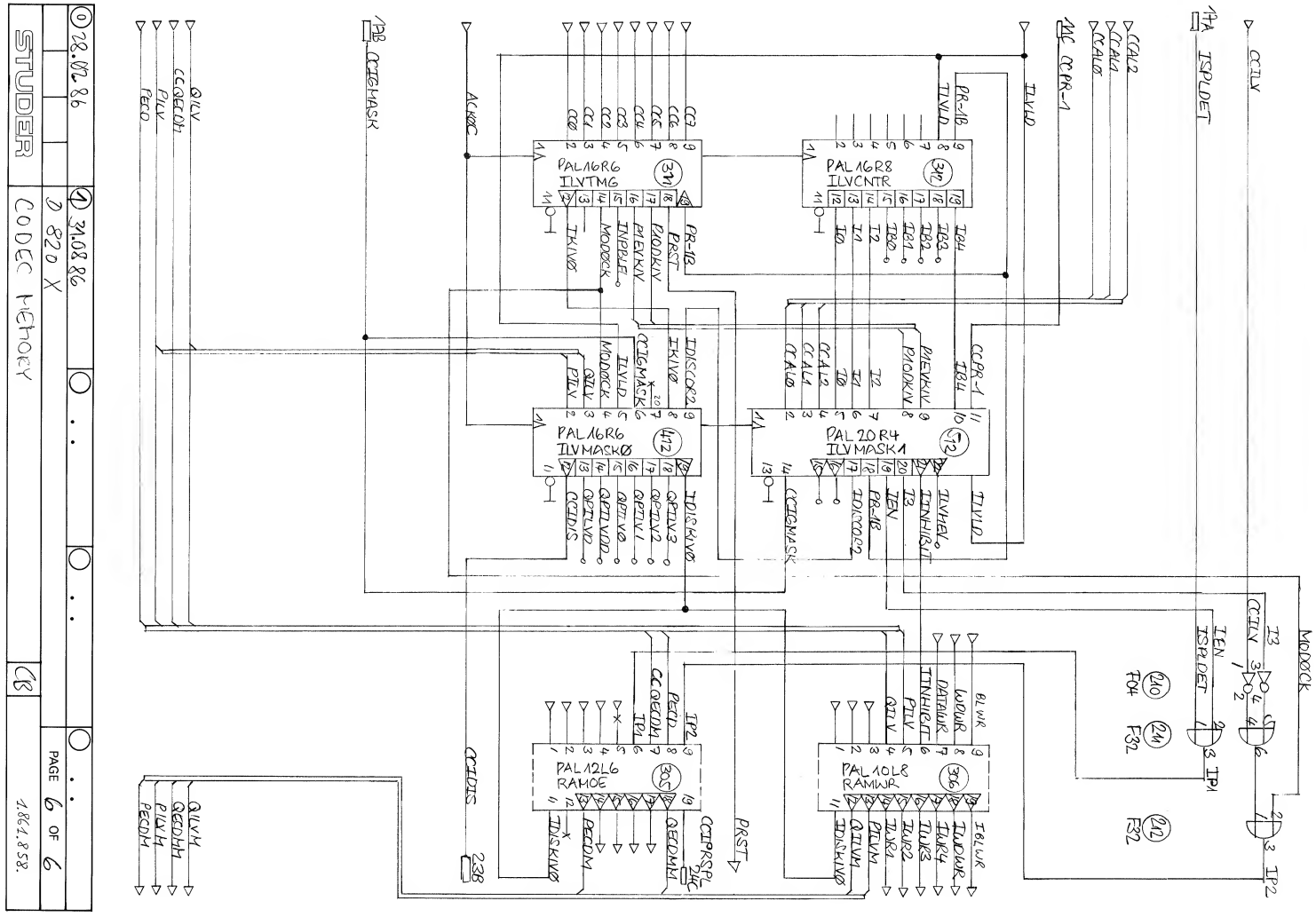


PUBLISHED: 11/86

CODEC MEMORY 1.861.858.00 PAGE 5



CODEC MEMORY 1.861.858.00 PAGE 6



CODEC MEMORY 1.861.858.00 PAGE 7

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT		MANUF.
	C.....1	59.25.3470	47u	50V, 10V, ELECTROLYTIC		ANY
	C.....2	1.010.001459	41 PCS	68n, 50V, 10V		St
	F.....1	51.01.0124		FUSI, SAT/250V, 5*20mm		ANY
	IC..101	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..102	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..103	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..104	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..105	50.21.0244		SN 74 F 244 N		ANY
	IC..106	50.21.0244		SN 74 F 244 N		ANY
	IC..107	50.06.0244		SN 74 LS 244 N		ANY
	IC..108	50.21.0244		SN 74 F 244 N		ANY
	IC..111	50.18.0010		PAL 16 R 4 A-2 CN	(186164020)	ANY
	IC..112	50.21.0008		SN 74 F 08		ANY
	IC..201	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..202	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..203	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..204	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..205	50.21.0244		SN 74 F 244 N		ANY
	IC..206	50.21.0244		SN 74 F 244 N		ANY
	IC..207	50.14.0130		IMS 2600P-10, 64K*1 RAM		ANY
	IC..208	50.14.0130		IMS 2600P-10, 64K*1 RAM		ANY
	IC..209	50.06.0157		SN 74 LS 157 N		ANY
	IC..210	50.21.0004		SN 74 F 04 N		ANY
	IC..211	50.21.0032		SN 74 F 32		ANY
(01)	IC..212	50.21.0032		SN 74 F 32		ANY
	IC..301	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..302	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..303	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..304	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
(00)	IC..305	50.18.0016		PAL 12 L 6 CN	(186164120)	ANY
(01)	IC..305	50.18.0006		PAL 10 L 8 CN	(186164120)	ANY
	IC..306	50.18.0006		PAL 10 L 8 CN	(186164220)	ANY
	IC..307	50.18.0010		PAL 16 R 4 A-2CN	(186163720)	ANY
	IC..308	50.18.0012		PAL 16 R 8 A-2CN	(186163620)	ANY
	IC..309	50.18.0012		PAL 16 R 8 A-2CN	(186163920)	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT		MANUF.
	IC..310	50.18.0011		PAL 16 R 6 A-2CN	(186163820)	ANY
	IC..311	50.18.0011		PAL 16 R 6 A-2CN	(186164320)	ANY
	IC..312	50.18.0012		PAL 16 R 8 A-2CN	(186164320)	ANY
	IC..401	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..402	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..403	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..404	50.14.0131		IMS 2620P-10, 16K*4 RAM		ANY
	IC..405	50.06.0322		SN 74 LS 322 AN		ANY
	IC..406	50.06.0166		SN 74 LS 166 N		ANY
	IC..407	50.06.0322		SN 74 LS 322 AN		ANY
	IC..408	50.06.0166		SN 74 LS 166 N		ANY
	IC..409	50.18.0015		PAL 20 X 8 CN	(186163520)	ANY
	IC..410	50.06.0374		SN 74 LS 374		ANY
	IC..411	50.18.0011		PAL 16 R 6 A-2CN	(186164320)	ANY
	IC..505	50.06.0322		SN 74 LS 322 N		ANY
	IC..506	50.06.0166		SN 74 LS 166 N		ANY
	IC..507	50.06.0322		SN 74 LS 322 N		ANY
	IC..508	50.06.0166		SN 74 LS 166 N		ANY
	IC..509	50.18.0015		PAL 20 X 8 CN	(186163520)	ANY
	IC..510	50.06.0374		SN 74 LS 374		ANY
	IC..512	50.18.0014		PAL 20 R4A-2CN	(186164320)	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE		Ph
	MP....1	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5*4		ANY
	MP....2	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5*4		ANY
	MP....3	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5*4		ANY
	MP....4	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5*4		ANY
	MP....5	21.01.2279	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4		ANY
	MP....6	21.01.2279	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4		ANY
	MP....7	21.01.2279	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4		ANY
	MP....8	21.01.2279	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4		ANY
	MP....9	24.16.1025	1 PCS	LOCK WASHER, M2.5		ANY
	MP....10	24.16.1025	1 PCS	LOCK WASHER, M2.5		ANY
	MP....11	24.16.1025	1 PCS	LOCK WASHER, M2.5		ANY
	MP....12	24.16.1025	1 PCS	LOCK WASHER, M2.5		ANY
	MP....13	29.21.1370	1 PCS	RIVETING NUT, D2.2595.5		ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....14	29.21.1370	1 PCS	RIVETING NUT, D2.2595*5	ANY
	MP....15	29.21.1370	1 PCS	RIVETING NUT, D2.2595*5	ANY
	MP....16	29.99.0119	1 PCS	RIVETING NUT, D2.590.15910	ANY
	MP....17	29.99.0119	1 PCS	RIVETING NUT, D2.590.15910	ANY
	MP....18	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP....19	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP....20	1.010.076.49	1 PCS	TRANSPARENT COVER	ANY
	MP....21	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
	MP....22	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
	MP....23	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
	MP....24	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
	MP....25	1.861.750.01	1 PCS	METAL PLATE	ANY
	MP....26	1.861.750.02	1 PCS	INSULATOR	ANY
	MP....27	1.861.750.11	1 PCS	PCB	St
	MP....28	1.861.858.01	1 PCS	NAME PLATE, 6.3*91	ANY
	MP....29	93.01.0108	1 PCS	ESE-LABEL	ANY
	MP....30	1.010.122.51	1 PCS	LABEL "FUSE 5A"	St
	MP....31	1.101.001.20	1 PCS	LABEL "RELEASE-VERSION -20"	St
	MP....32	1.010.128.49	1 PCS	GUIDING TEMPLATE	St
	P.....1	54.01.0354		CARD CONNECTOR, 3*32 EURO WIRE WRAP	ANY
	P.....2	1.010.026.54		CONTACT PINS, QTY=1050	ANY
	P.....3	1.010.029.54		DUMMY PINS, QTY=240	ANY
	P.....4	1.010.027.54	3 PCS	FRONT PIN	St
	RZ..109	57.88.3151	8*150	5%	ANY
	RZ..110	57.88.3101	8*100	5%	ANY
	RZ..411	57.85.3103	15*10k	5%	ANY
	RZ..504	57.85.3103	15*10k	5%	ANY
	RZ..511	57.85.3103	15*10k	5%	ANY
	TP....1	29.21.6002		TESTPOINT	ANY
	TP....2	29.21.6002		TESTPOINT	ANY
	TP....3	29.21.6002		TESTPOINT	ANY
	TP....4	29.21.6002		TESTPOINT	ANY
	W.....1	64.01.0345		WIRE WRAP CABLE, L=97000mm	ANY

REMARKS: 40U 01: SLICE IMPROVEMENTS

MANUFACTURERS:
St = STUDER / Ph = PHILIPS

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES /
XIC = IC SOCKET

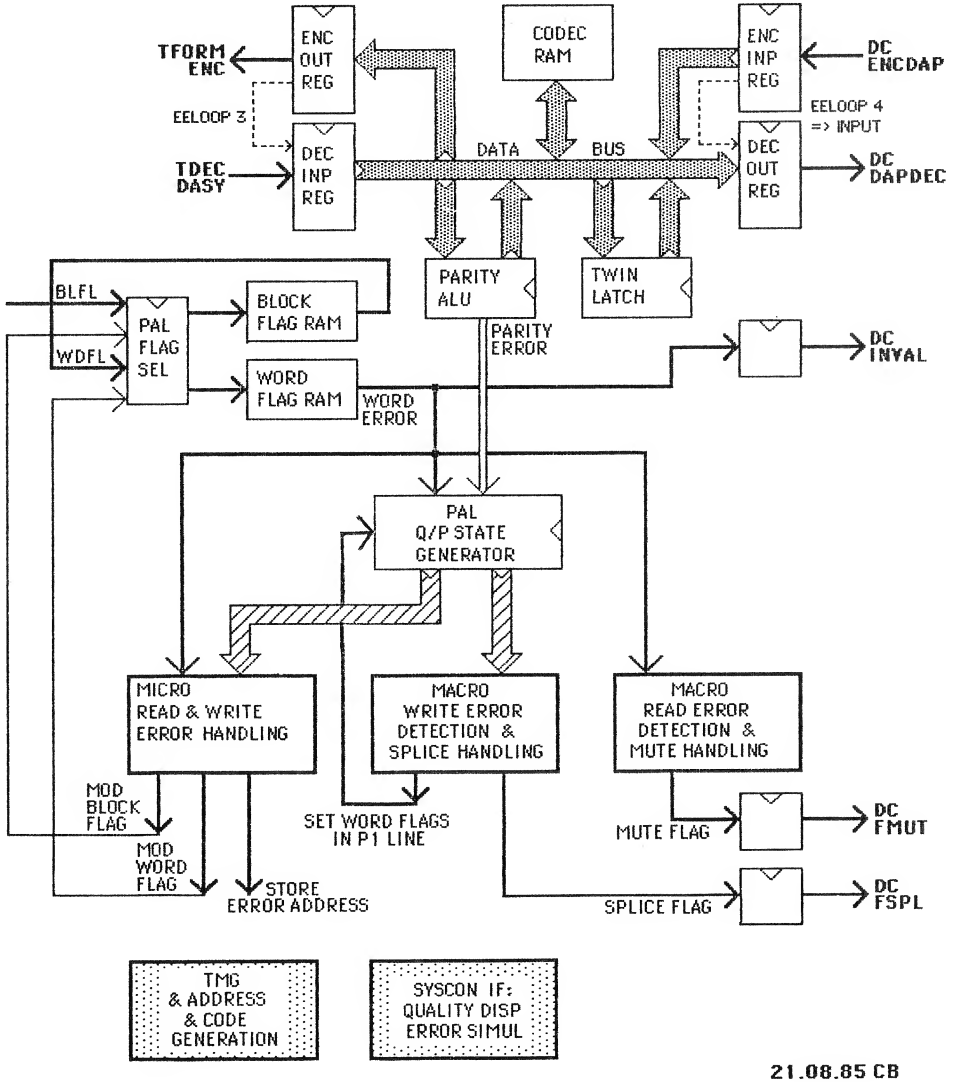
ORIG 86/02/25 (20) 86/09/12

PUBLISHED: 11/86

CODEC MEMORY 1.861.858.00 PAGE 8

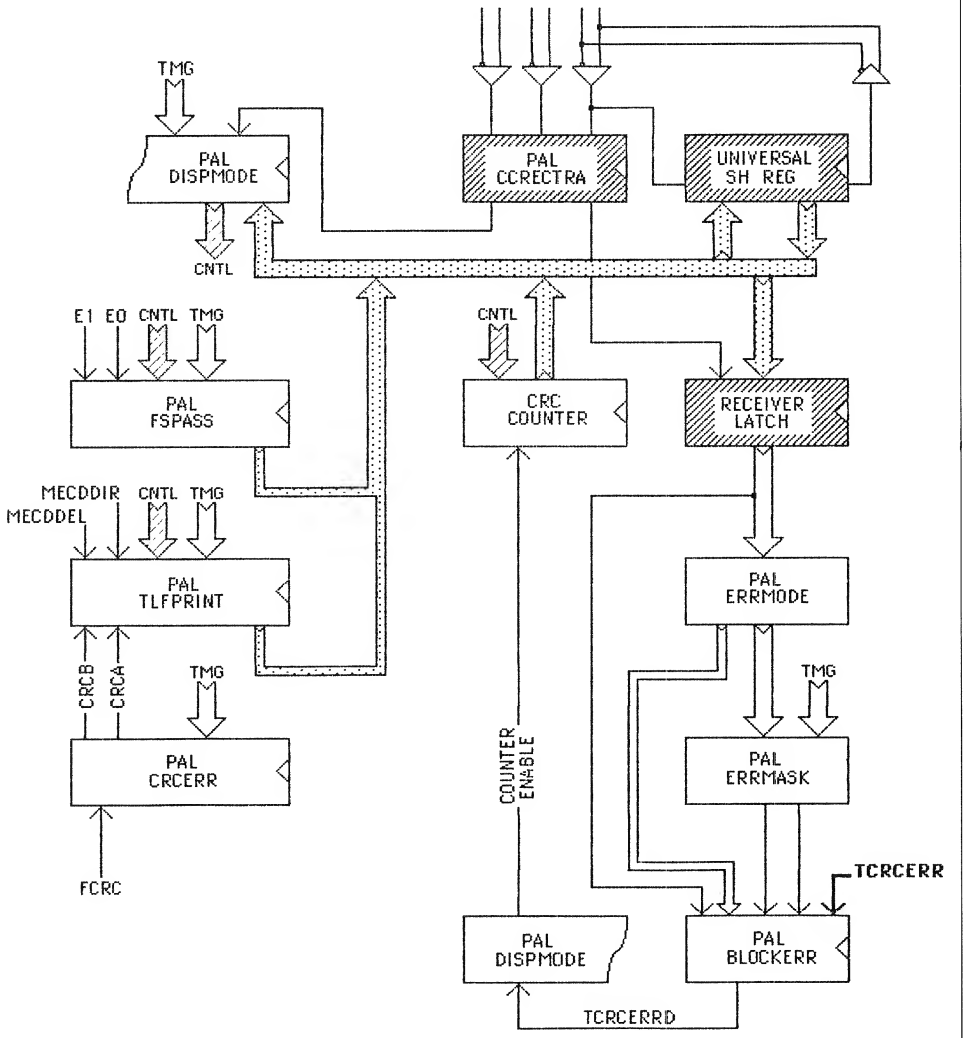
CODEC MEMORY 1.861.858.00 PAGE 8

CODEC STRUCTURE



21.08.85 CB

SYSCON INTERFACE: QUALITY DISPLAY AND ERROR SIMULATION

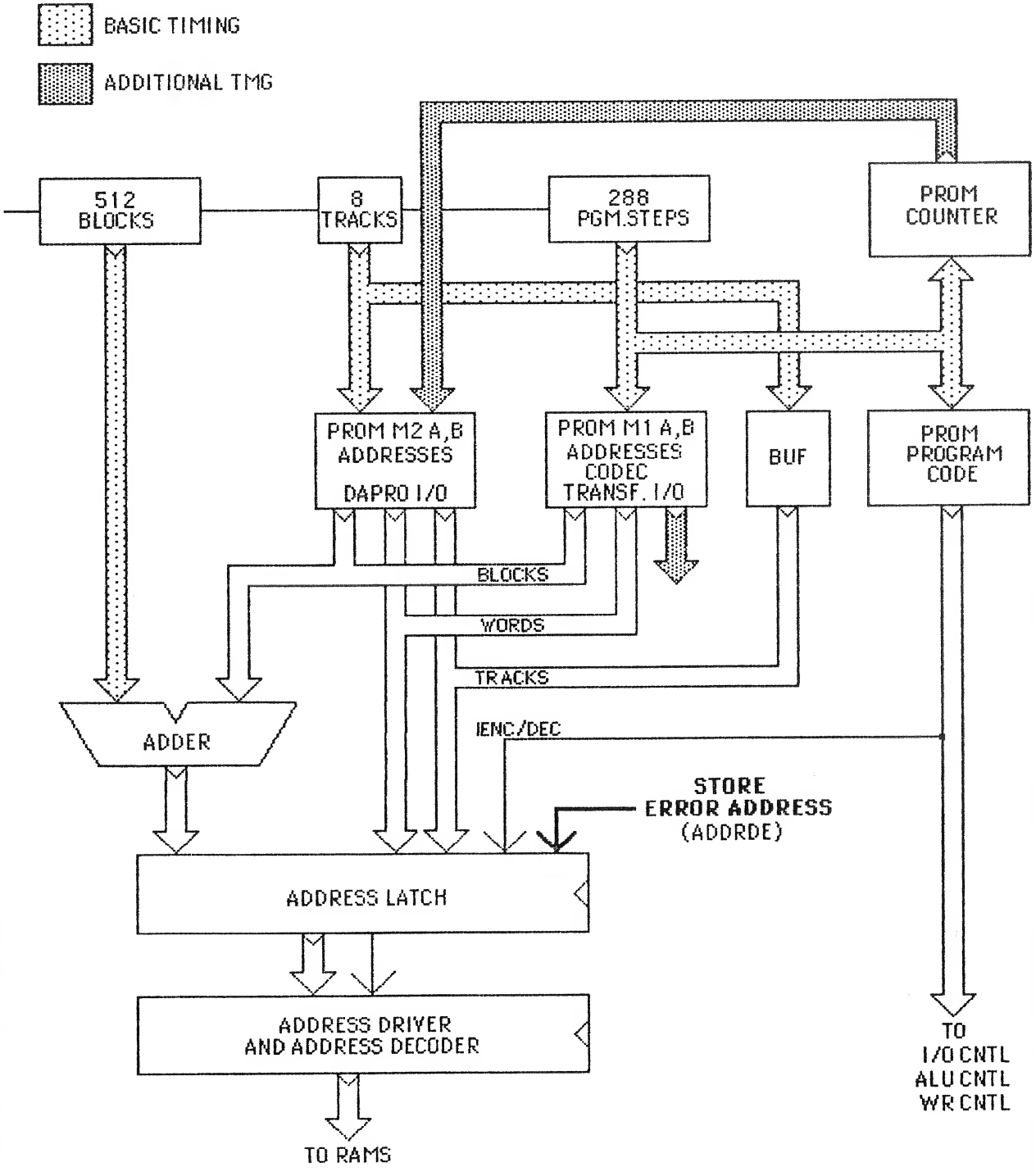


23.08.85 CB

PUBLISHED: 11/86

CODEC MEMORY 1.861.858.00 PAGE 9 (LAST)

TMG & ADDRESS & CODE GENERATION



PUBLISHED: 11/86

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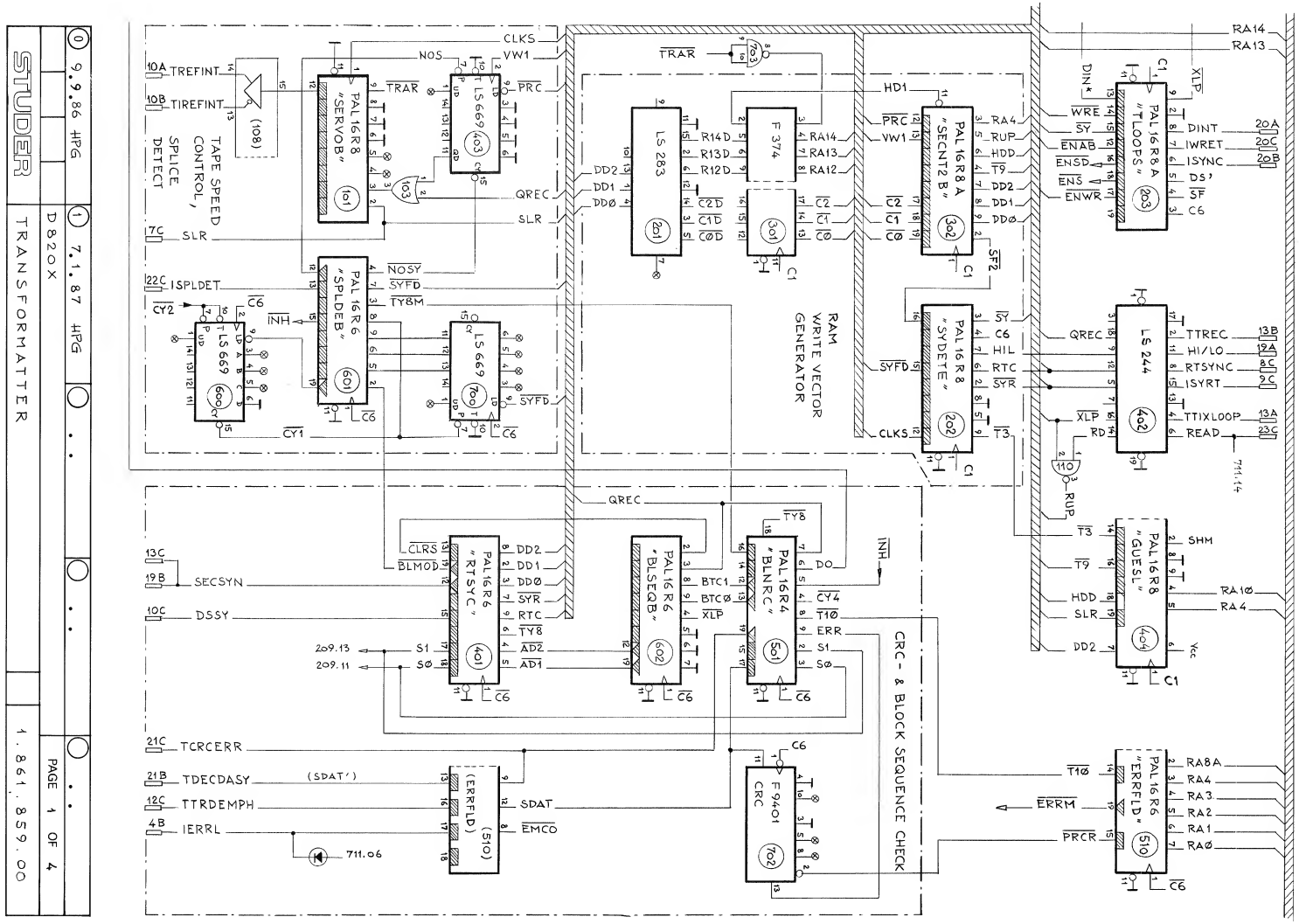

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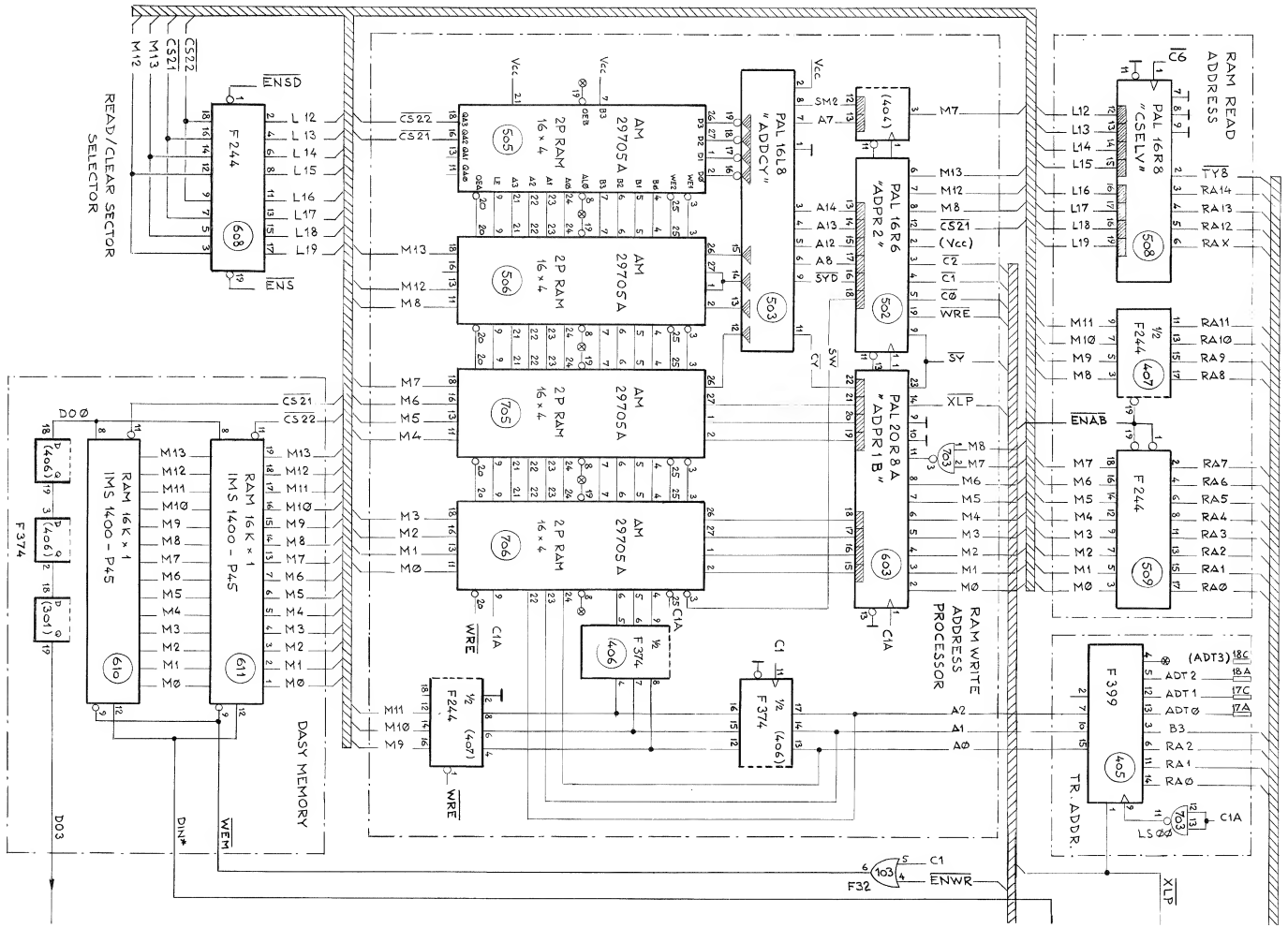
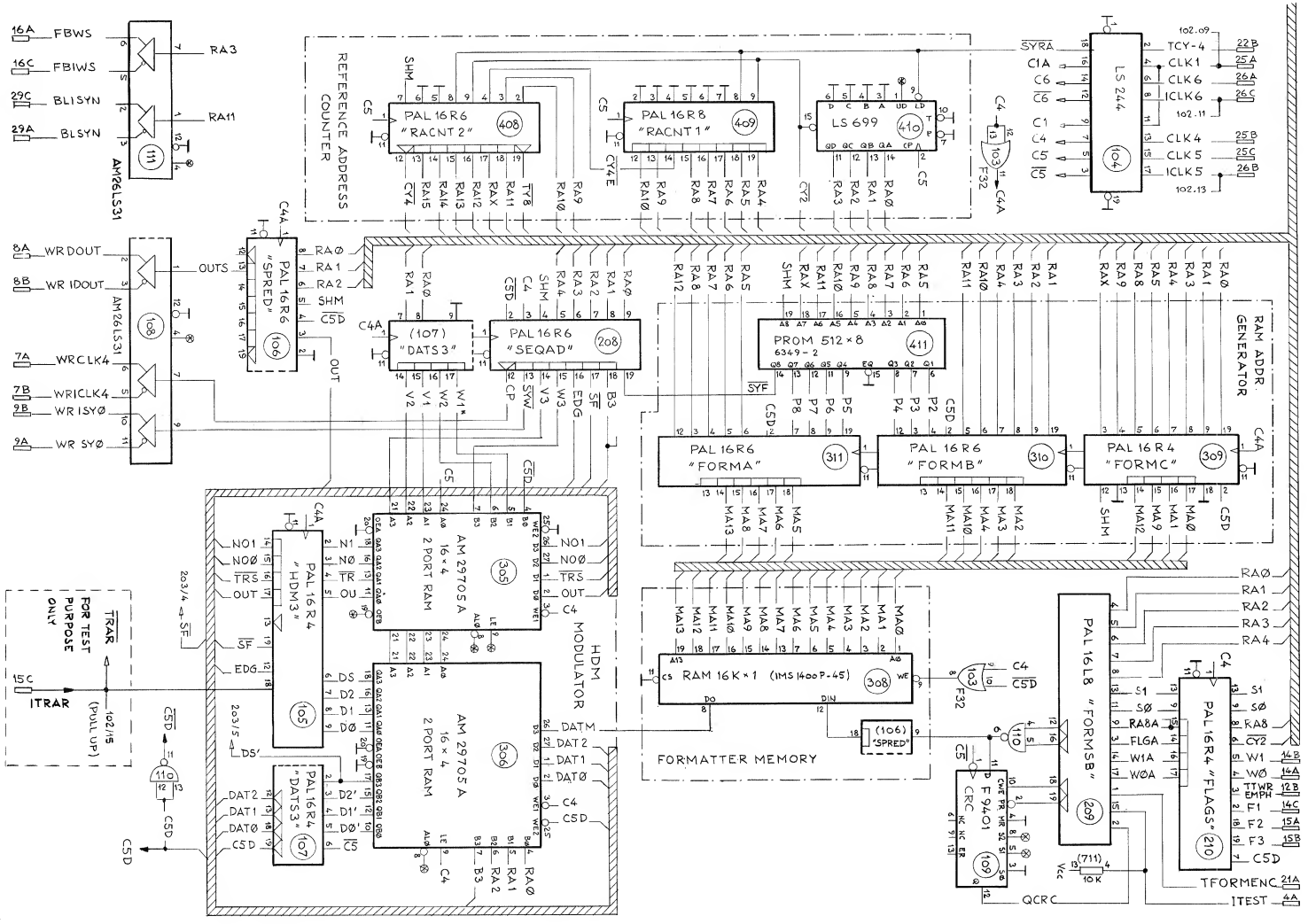


TRANSFORMATTER 1.861.859.00 PAGE 3



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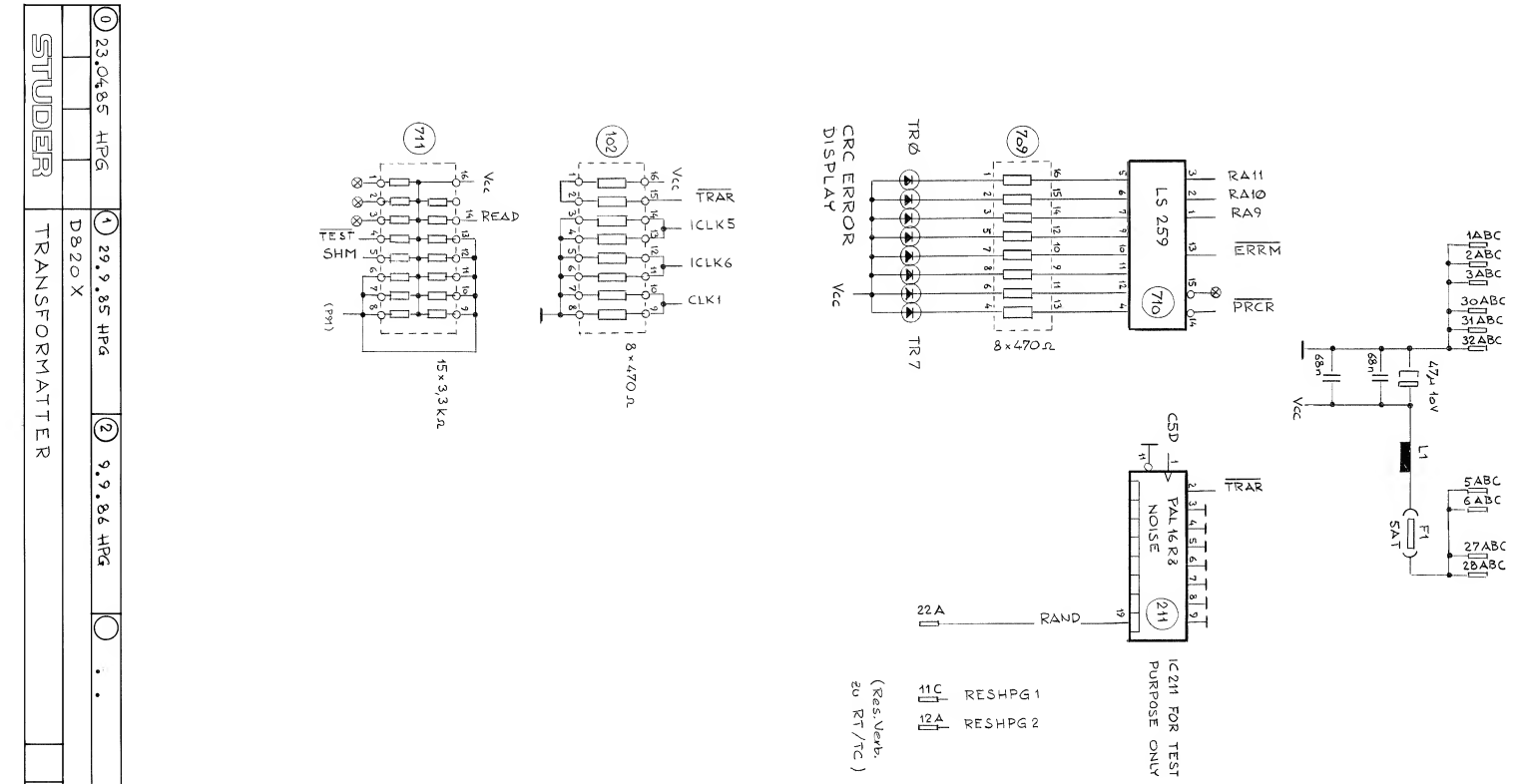

STUDER	⓪ 23.04.85 HPG	① 29.9.85 HPG	② 9.9.86 HPG	. .	. .
		D820X			
TRANSFORMATTER					PAGE 4 OF 4
1.861.859.00					

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.25.3473	47u	90%, 10V, ELECTROLYTIC	ANY
(00)	C....2	1.010.001.59	40 PCS	68n, 50%, 10V	St
(01)	C....2	1.010.001.59	39 PCS	68n, 50%, 10V	St
	OL....1	50.04.2700		LED RED	HP
	OL....2	50.04.2700		LED RED	HP
	OL....3	50.04.2700		LED RED	HP
	OL....4	50.04.2700		LED RED	HP
	OL....5	50.04.2700		LED RED	HP
	OL....6	50.04.2700		LED RED	HP
	OL....7	50.04.2700		LED RED	HP
	OL....8	50.04.2700		LED RED	HP
	OL....9	50.04.2700		LED RED	HP
	F....1	51.01.0124		FUSE, 5AT/250V, 5X20mm	ANY
	IC..101	50.18.0012		PAL 16 R 8 A-2 CN (186166320)	ANY
	IC..103	50.21.0032		SN 74 F 32	ANY
	IC..104	50.06.0244		SN 74 LS 244 N	ANY
	IC..105	50.18.0010		PAL 16 R 4 A-2 CN (186165020)	ANY
	IC..106	50.18.0011		PAL 16 R 6 A-2 CN (186165320)	ANY
	IC..107	50.18.0010		PAL 16 R 4 A-2 CN (186165120)	ANY
	IC..108	50.15.0108		AM26 LS 31 PC,AM26 LS31 CN	ANY
	IC..109	50.13.0108		F 9401 PC, N 8 X 01 AN	ANY
	IC..110	50.06.0000		SN 74 LS 00 N	ANY
	IC..111	50.15.0108		AM26 LS 31 PC,AM26 LS31 CN	ANY
	IC..201	50.06.0283		SN 74 LS 283 N	ANY
	IC..202	50.18.0012		PAL 16 R 8 A-2 CN (186166120)	ANY
	IC..203	50.18.0011		PAL 16 R 6 A-2 CN (186165920)	ANY
	IC..208	50.18.0011		PAL 16 R 6 A-2 CN (186165220)	ANY
	IC..209	50.18.0009		PAL 16 L 8 A-2 CN (186164020)	ANY
	IC..210	50.18.0010		PAL 16 R 4 A-2 CN (186164520)	ANY
	IC..301	50.21.0374		SN 74 F 374	ANY
	IC..302	50.18.0002		PAL 16 R 8 ACN (186166220)	ANY
	IC..305	50.14.0128		AM 29705 A, 29 F 705	ANY
	IC..306	50.14.0128		AM 29705 A, 29 F 705	ANY
	IC..308	50.14.0132		IMS 1400-P45, HM 6167-HP45	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC..309	50.18.0010		PAL 16 R 4 A-2 CN (186164920)	ANY
	IC..310	50.18.0011		PAL 16 R 6 A-2 CN (186164820)	ANY
	IC..311	50.18.0011		PAL 16 R 6 A-2 CN (186164720)	ANY
	IC..401	50.18.0011		PAL 16 R 6 A-2 CN (186166820)	ANY
	IC..402	50.06.0244		SN 74 LS 244 N	ANY
(01)	IC..403	50.06.0669		SN 74 LS 669 N	ANY
	IC..404	50.18.0012		PAL 16 R 8 A-2 CN (186166020)	ANY
	IC..405	50.21.0399		SN 74 F 399	ANY
	IC..406	50.21.0374		SN 74 F 374	ANY
	IC..407	50.21.0244		SN 74 F 244	ANY
	IC..408	50.18.0011		PAL 16 R 6 A-2 CN (186165520)	ANY
	IC..409	50.18.0012		PAL 16 R 8 A-2 CN (186165420)	ANY
	IC..410	50.06.0669		SN 74 LS 669 N	ANY
	IC..411	50.14.0151		53/6349-2J, AM 27 S 29 PC (186166920)	ANY
	IC..501	50.18.0001		PAL 16 R 4 ACN (186166620)	ANY
	IC..502	50.18.0011		PAL 16 R 6 A-2 CN (186167020)	ANY
	IC..503	50.18.0009		PAL 16 L 8 A-2 CN (186165920)	ANY
	IC..505	50.14.0128		AM 29705 A, 29 F 705	ANY
	IC..506	50.14.0128		AM 29705 A, 29 F 705	ANY
	IC..508	50.18.0012		PAL 16 R 8 A-2 CN (186166720)	ANY
	IC..509	50.21.0244		SN 74 F 244	ANY
	IC..510	50.18.0011		PAL 16 R 6 A-2 CN (186166420)	ANY
(01)	IC..600	50.06.0669		SN 74 LS 669 N	ANY
(01)	IC..601	50.18.0011		PAL 16 R 6 A-2 CN (186167120)	ANY
	IC..602	50.18.0011		PAL 16 R 6 A-2 CN (186166720)	ANY
	IC..603	50.18.0003		PAL 20 R 8 ACN (186166020)	ANY
(00)	IC..608	50.14.0132		IMS 1400-P45, HM 6167-HP45	ANY
(01)	IC..608				
(00)	IC..609	50.14.0132		IMS 1400-P45, HM 6167-HP45	ANY
(01)	IC..609				
	IC..610	50.14.0132		IMS 1400-P45, HM 6167-HP45	ANY
	IC..611	50.14.0132		IMS 1400-P45, HM 6167-HP45	ANY
(01)	IC..700	50.06.0669		SN 74 LS 669 N	ANY
(00)	IC..701	50.13.0108		F 9401 PC, N 8 X 01 AN	ANY
(01)	IC..701				
	IC..702	50.13.0108		F 9401 PC, N 8 X 01 AN	ANY
	IC..703	50.06.0000		SN 74 LS 00 N	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC..705	50.14.0128		AM 29705 A, 29 F 705	ANY
	IC..706	50.14.0128		AM 29705 A, 29 F 705	ANY
	IC..710	50.06.0259		SN 74 LS 259 N	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....2	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....3	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....4	21.01.0279	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....5	21.01.2279	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....6	21.01.2279	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....7	21.01.2279	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....8	21.01.2279	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....9	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...10	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...11	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...12	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP...13	28.21.1370	1 PCS	RIVETING NUT, D2.2505.5	ANY
	MP...14	28.21.1370	1 PCS	RIVETING NUT, D2.2505.5	ANY
	MP...15	28.21.1370	1 PCS	RIVETING NUT, D2.2505.5	ANY
	MP...16	28.99.0119	1 PCS	RIVETING NUT, D2.590-15910	ANY
	MP...17	28.99.0119	1 PCS	RIVETING NUT, D2.590-15910	ANY
	MP...18	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP...19	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP...20	1.010.076.49	1 PCS	TRANSPARENT COVER	ANY
	MP...21	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
	MP...22	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
	MP...23	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
	MP...24	1.180.402.02	1 PCS	STAND-OFF, M2.5*12.8	ANY
	MP...25	1.861.750.01	1 PCS	METAL PLATE	ANY
	MP...26	1.861.750.02	1 PCS	INSULATOR	ANY
	MP...27	1.861.752.11	1 PCS	PCB	St
	MP...28	1.861.859.01	1 PCS	NAME PLATE, 6.3*91	ANY
	MP...29	43.01.0108	1 PCS	LABEL "ESD"	ANY
	MP...30	1.010.122.51	1 PCS	LABEL "FUSE 5A"	St
	MP...31	1.101.001.20	1 PCS	LABEL "RELEASE-VERSION -20"	St

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...32	1.010.128.49	1 PCS	GUIDING TEMPLATE	St
	P.....1	54.01.0354		CARD CONNECTOR, 3*32 EURO WIRE WRAP	ANY
	P.....2	1.010.028.54	1236 PCS	CONTACT PINS, QTY=1236	ANY
	P.....3	1.010.029.54	165 PCS	DUMMY PINS, QTY=165	ANY
	RZ..102	57.88.3471	8847Ω	DIL 16, 2%	ANY
	RZ..709	57.88.3471	8847Ω	DIL 16, 2%	ANY
	RZ..711	57.89.3332	1593.3k	DIL 16	ANY
	TP....1	29.21.6002		TESTPOINT	ANY
	TP....2	29.21.6002		TESTPOINT	ANY
	TP....3	29.21.6002		TESTPOINT	ANY
	TP....4	29.21.6002		TESTPOINT	ANY
(00)	W.....1	64.01.0345	78000mm	WIRE WRAP TYPE	ANY
(01)	W.....1	64.01.0345	79000mm	WIRE WRAP TYPE	ANY
	XF....1	53.03.0142		CLAMP, 5*20mm	ANY
	XF....2	53.03.0142		CLAMP, 5*20mm	ANY

REMARKS: MOD 01: IMPROVED START-UP CONDITIONS, SPLICE DETECTION ACC. TO SYNC WINDOW AND BLOCK JUMPS.

MANUFACTURERS:
St = STUDER / HP = HEWLETT-PACKARD / Ph = PHILIPS

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES /
XIC = IC SOCKET

ORIG 85/26/11 (20) 86/09/08

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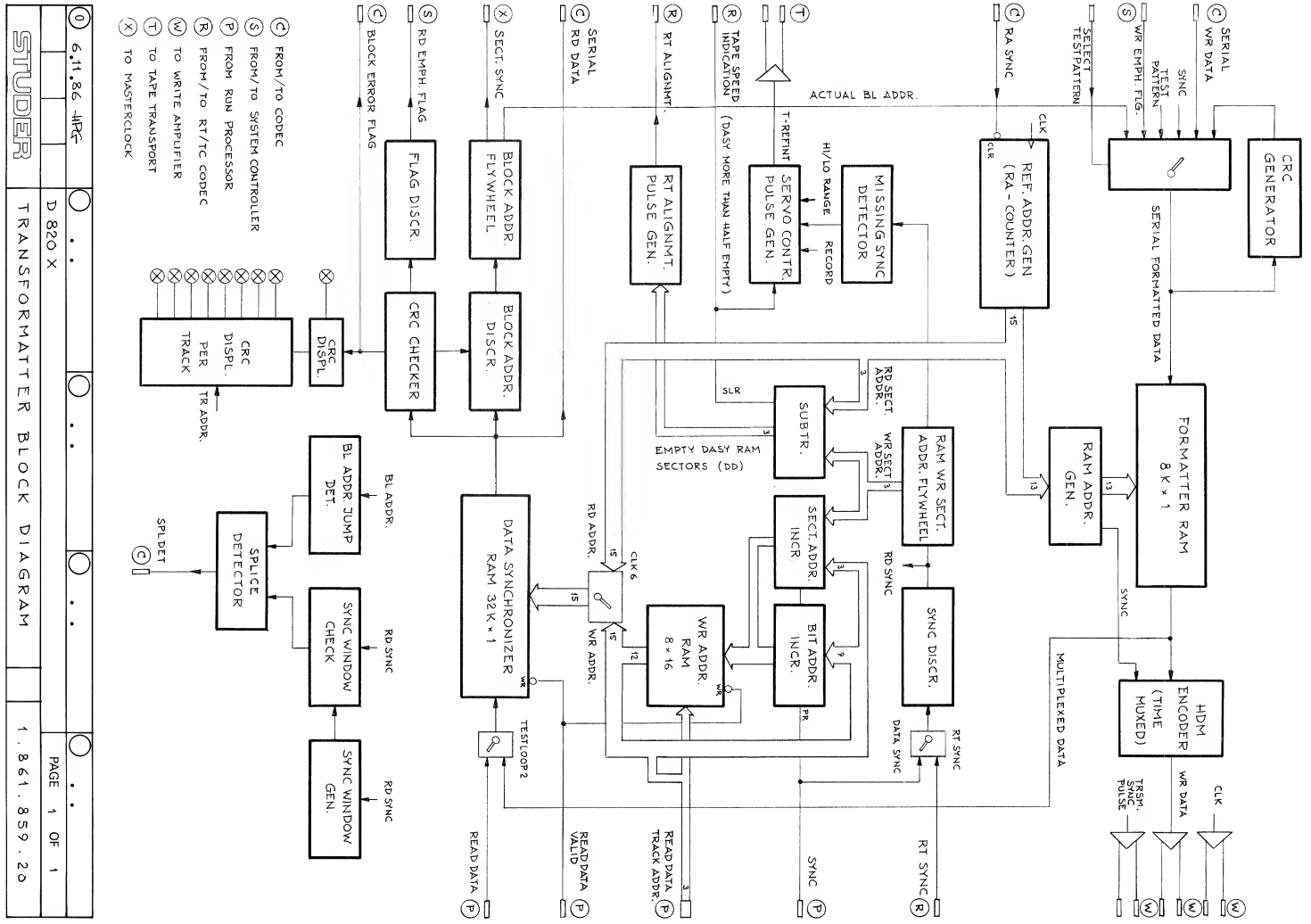
TRANSFORMATTER 1.861.859.00 PAGE 6 (LAST)



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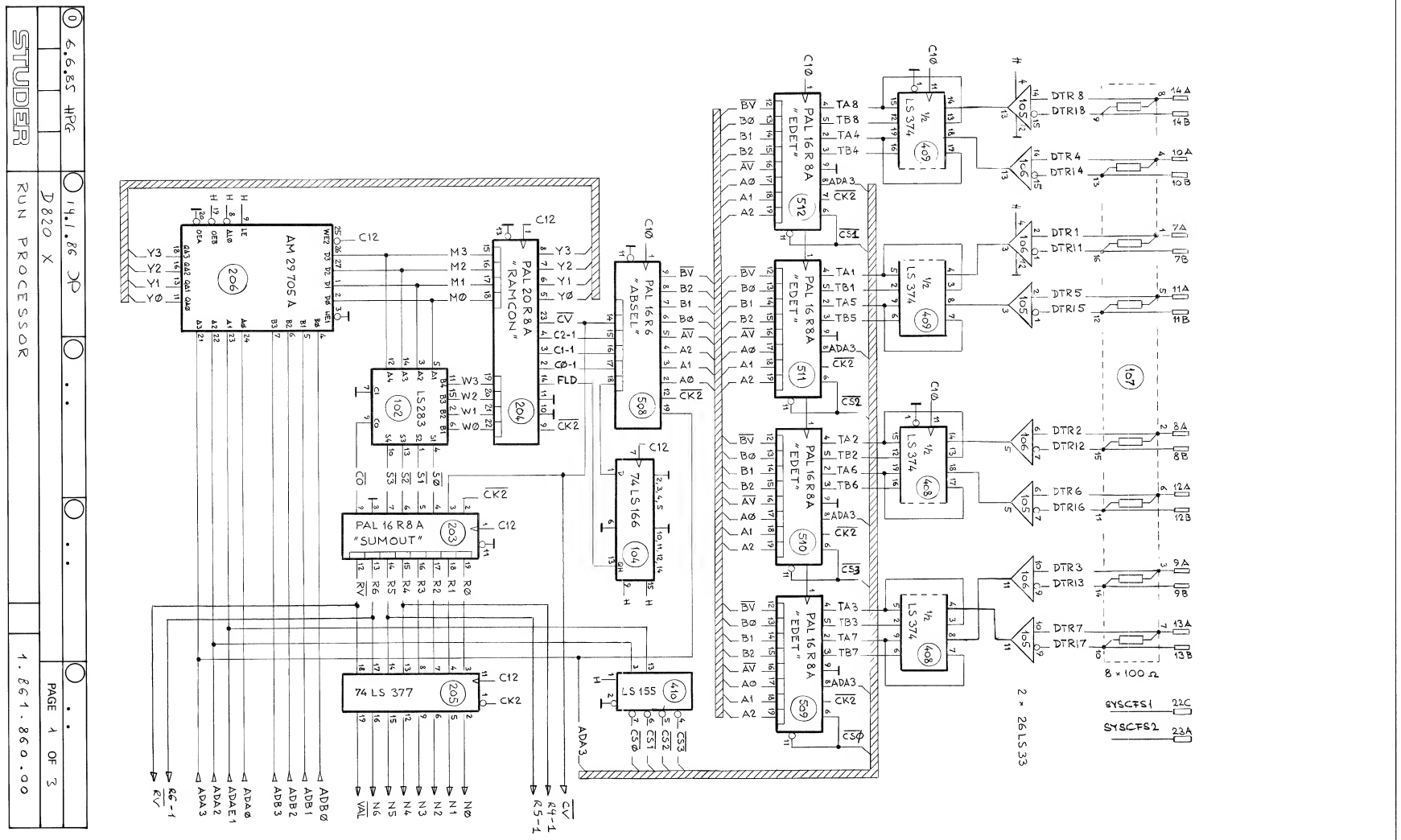
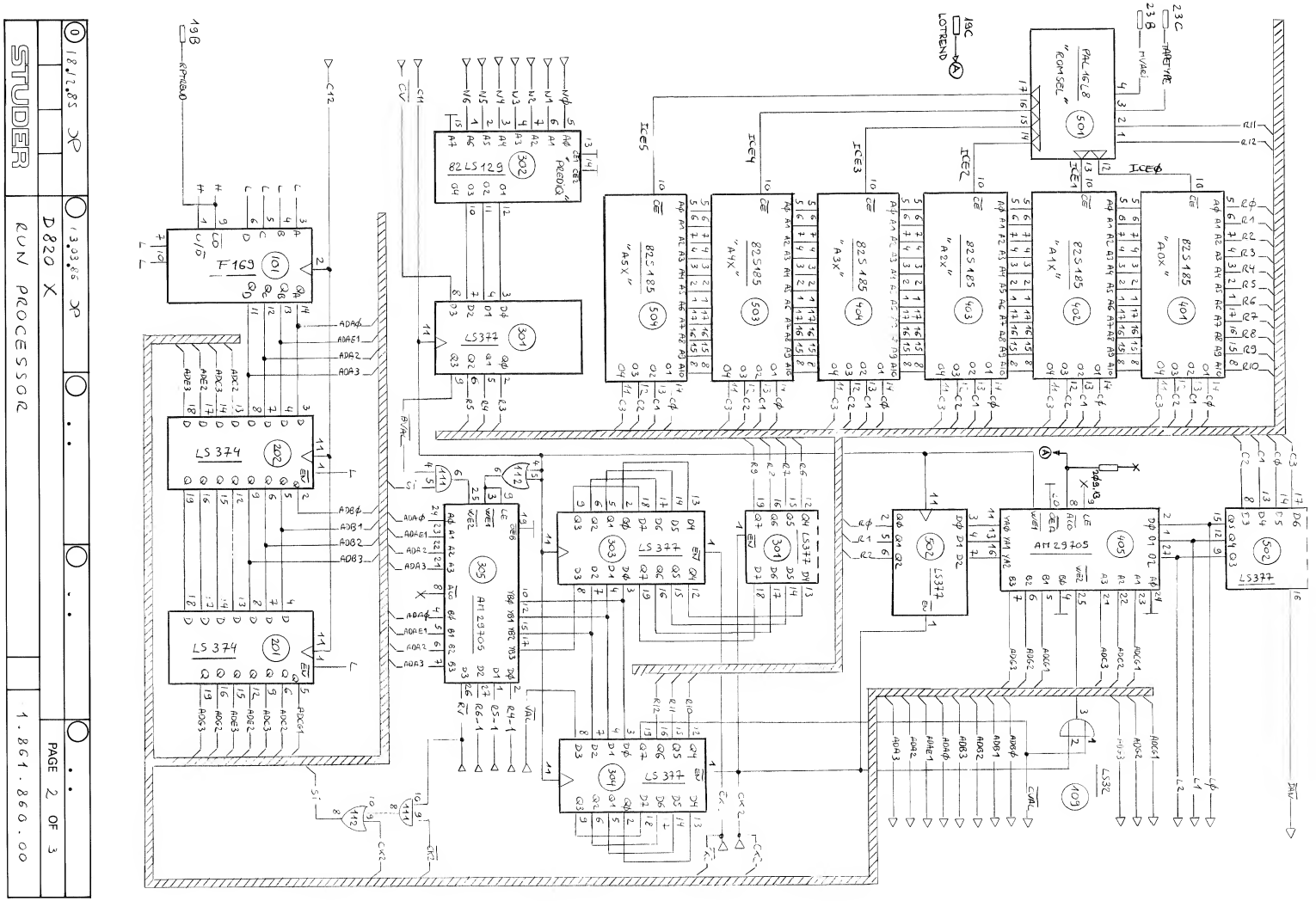


RUN PROCESSOR 1.861.860.00 PAGE 2



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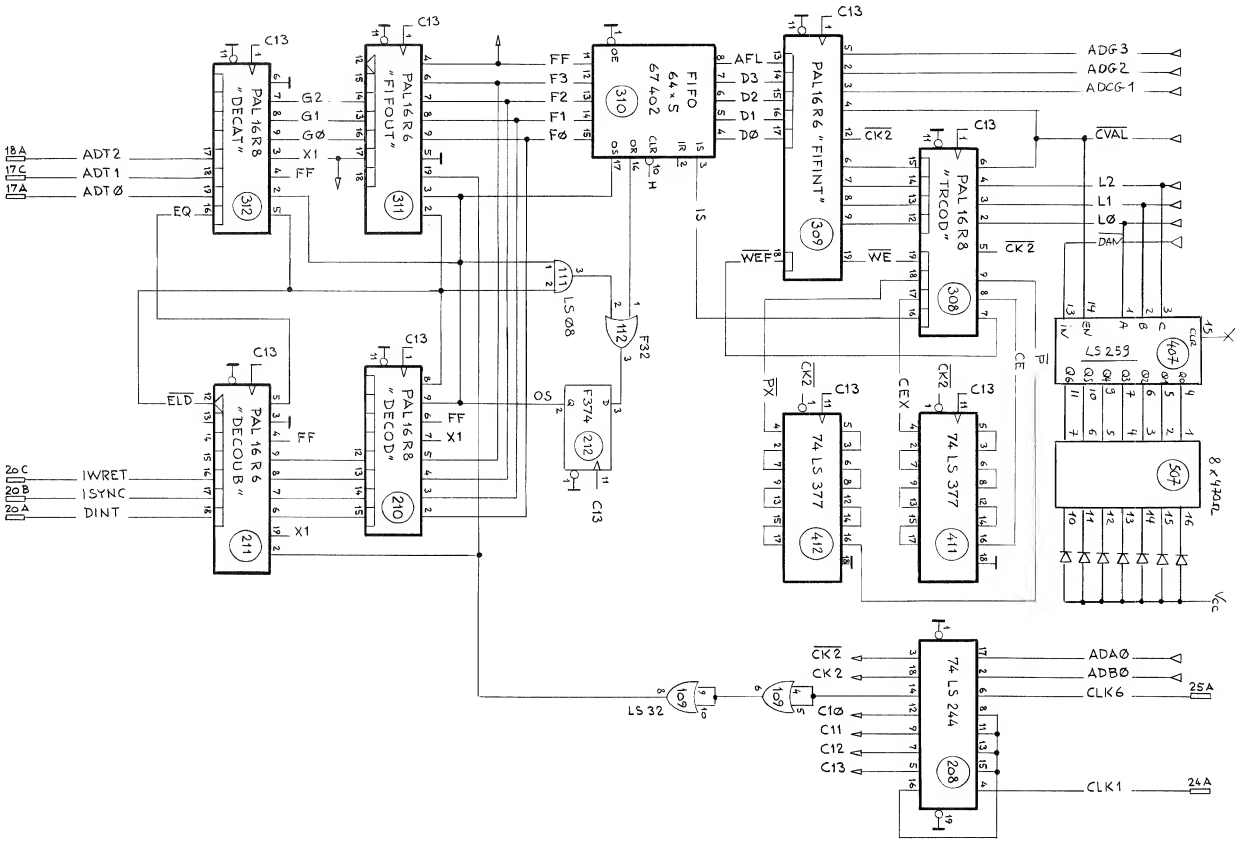

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RUN PROCESSOR	D820 X			PAGE 3 OF 3	
1.861.860.00					

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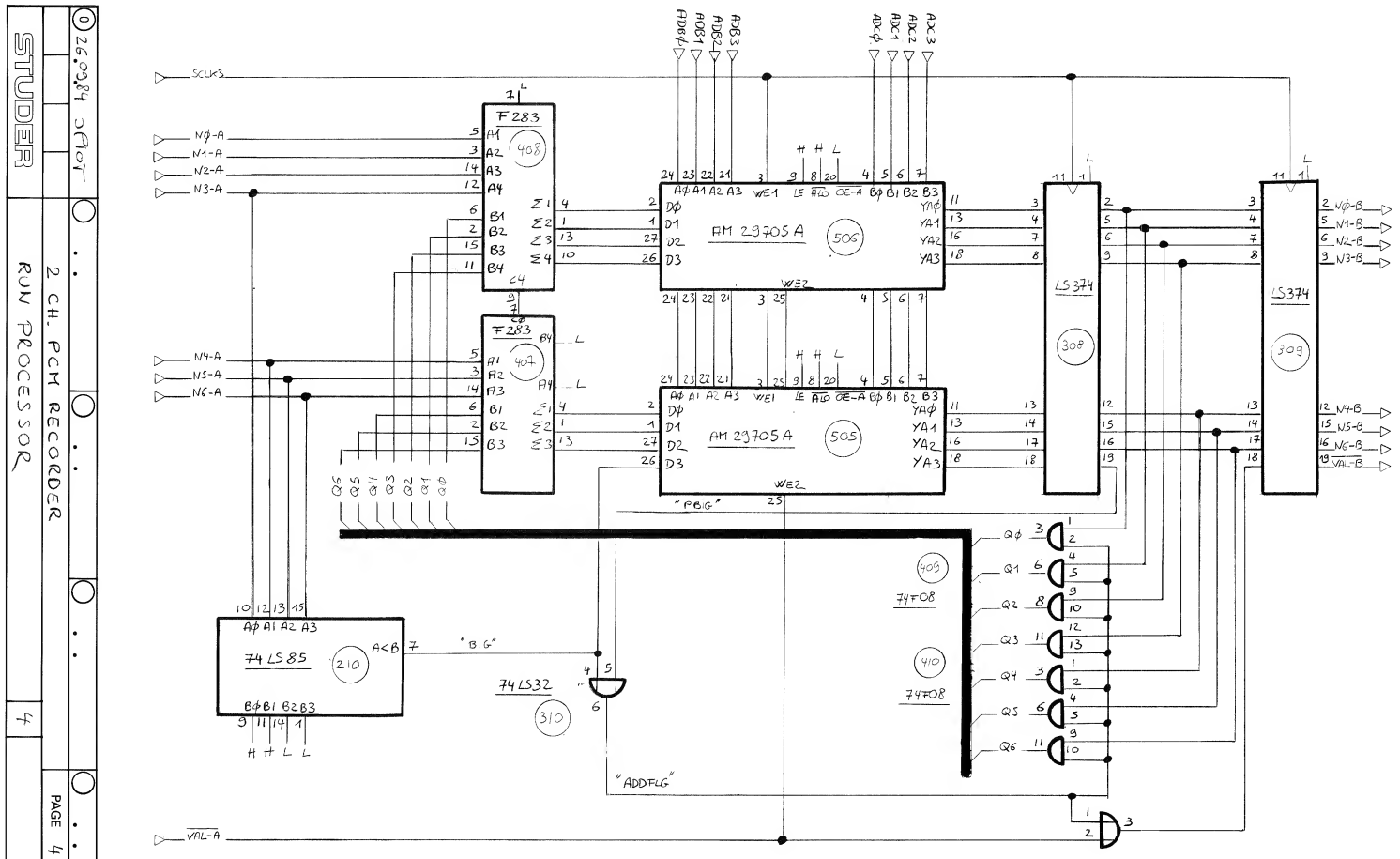

STUDER

26.09.84 1. Plot

2 CH. PCM RECORDER

RUN PROCESSOR

4

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RUN PROCESSOR 1.861.860.00 PAGE 5

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C	1	59.22.5470	47u	50%, 10V, ELECTROLYTIC	ANY
C	2	1.010.001.59	68n	50%, 10V, QTY=38	ANY
DL	0001	50.04.2700		LED RED	HP
DL	0002	50.04.2700		LED RED	HP
DL	0003	50.04.2700		LED RED	HP
DL	0004	50.04.2700		LED RED	HP
DL	0005	50.04.2700		LED RED	HP
DL	0006	50.04.2700		LED RED	HP
DL	0007	50.04.2700		LED RED	HP
E	1	51.01.0122		FUSE, 3.15AT/250V, 5*20mm	ANY
IC	..101	50.21.0169		SN 74 F 169 N	ANY
IC	..102	50.06.0283		SN 74 LS 283 N	ANY
IC	..104	50.06.0166		SN 74 LS 166 N	ANY
IC	..105	50.15.0109		AM26 LS33 PC+DS26 LS33 CN	ANY
IC	..106	50.15.0109		AM26 LS33 PC+DS26 LS33 CN	ANY
IC	..109	50.06.0032		SN 74 LS 32 N	ANY
IC	..111	50.06.0008		SN 74 LS 08 N	ANY
IC	..112	50.21.0032		SN 74 E 32 N	ANY
IC	..201	50.06.0374		SN 74 LS 374 N	ANY
IC	..202	50.06.0374		SN 74 LS 374 N	ANY
IC	..203	50.18.0002		PAL 16 R 8 A CN (186167820)	ANY
IC	..204	50.18.0003		PAL 20 R 8 ACN (186167720)	ANY
IC	..205	50.06.0377		74 LS 377	ANY
IC	..206	50.14.0128		AM 29705 A, 29 E 705	ANY
IC	..208	50.06.0244		SN 74 LS 244 N	ANY
IC	..210	50.18.0012		PAL 16 R 8 A-2 CN (186168820)	ANY
IC	..211	50.18.0011		PAL 16 R 6 A-2 CN (186168920)	ANY
IC	..212	50.21.0374		74 E 374	ANY
IC	..301	50.06.0377		SN 74 LS 377 N	ANY
IC	..302	50.14.0121		N82 S 129N+ AM 27S 210C (186168320)	ANY
IC	..303	50.06.0377		SN 74 LS 377 N	ANY
IC	..304	50.06.0377		SN 74 LS 377 N	ANY
IC	..305	50.14.0128		AM 29705 A, 29 E 705	ANY
IC	..308	50.18.0012		PAL 16 R 8 A-2 CN (186168420)	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC	..309	50.18.0011		PAL 16 R 6 A-2 CN (186168520)	ANY
IC	..310	50.14.1001		67402, OM 87 S 402	ANY
IC	..311	50.18.0011		PAL 16 R 6 A-2 CN (186168620)	ANY
IC	..312	50.18.0012		PAL 16 R 8 A-2 CN (186168720)	ANY
IC	..401	50.14.0111		N82 S185 N (A0X) (186167920)	ANY
IC	..402	50.14.0111		N82 S185 N (A1X) (186167920)	ANY
IC	..403	50.14.0111		N82 S185 N (A2X) (186167920)	ANY
IC	..404	50.14.0111		N82 S185 N (A3X) (186167920)	ANY
IC	..405	50.14.0128		AM 29705 A+ 29 E 705	ANY
IC	..407	50.06.0259		SN 74 LS 259 N	ANY
IC	..408	50.06.0374		SN 74 LS 374 N	ANY
IC	..409	50.06.0374		SN 74 LS 374 N	ANY
IC	..410	50.06.0155		SN 74 LS 155 N	ANY
IC	..411	50.06.0377		SN 74 LS 377 N	ANY
IC	..412	50.06.0377		SN 74 LS 377 N	ANY
IC	..501	50.18.0009		PAL 16 L 8 A-2CN (186168320)	ANY
IC	..502	50.06.0377		SN 74 LS 377 N	ANY
IC	..503	50.14.0111		N82 S185 N (A4X) (186167920)	ANY
IC	..504	50.14.0111		N82 S185 N (A5X) (186167920)	ANY
IC	..508	50.18.0011		PAL 16 R 6 A-2 CN (186167620)	ANY
IC	..509	50.18.0002		PAL 16 R 8 A-CN (186167520)	ANY
IC	..510	50.18.0002		PAL 16 R 8 A-CN (186167520)	ANY
IC	..511	50.18.0002		PAL 16 R 8 A-CN (186167520)	ANY
IC	..512	50.18.0002		PAL 16 R 8 A-CN (186167520)	ANY
IC	..0111	50.06.0008		SN 74 LS 08 N	ANY
IC	..0112	50.21.0032		74 E 32	ANY
IC	..0407	50.06.0259		SN 74 LS 259 N	ANY
L	1	62.01.0115		WIDE-BAND HE-CHOKE	Ph
MP	1	21.01.0277		SCREW, CYLIN. HEAD, M2.5*4	ANY
MP	2	21.01.0277		SCREW, CYLIN. HEAD, M2.5*4	ANY
MP	3	21.01.0277		SCREW, CYLIN. HEAD, M2.5*4	ANY
MP	4	21.01.0277		SCREW, CYLIN. HEAD, M2.5*4	ANY
MP	5	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
MP	6	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
MP	7	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5*4	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
MP	8	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
MP	9	24.16.1025		LOCK WASHER, M2.5	ANY
MP	...10	24.16.1025		LOCK WASHER, M2.5	ANY
MP	...11	24.16.1025		LOCK WASHER, M2.5	ANY
MP	...12	24.16.1025		LOCK WASHER, M2.5	ANY
MP	...13	28.21.1370		RIVETING NUT+ 02.2595.5	ANY
MP	...14	28.21.1370		RIVETING NUT+ 02.2595.5	ANY
MP	...15	28.21.1370		RIVETING NUT+ 02.2595.5	ANY
MP	...16	28.99.0119		RIVETING NUT+ 02.590.15910	ANY
MP	...17	28.99.0119		RIVETING NUT+ 02.590.15910	ANY
MP	...18	1.010.006.33		MARKING HANDLE	ANY
MP	...19	1.010.006.33		MARKING HANDLE	ANY
MP	...20	1.010.096.49		TRANSPARENT COVER	ANY
MP	...21	1.180.402.02		STAND-OFF+ M2.5*12.8	ANY
MP	...22	1.180.402.02		STAND-OFF+ M2.5*12.8	ANY
MP	...23	1.180.402.02		STAND-OFF+ M2.5*12.8	ANY
MP	...24	1.180.402.02		STAND-OFF+ M2.5*12.8	ANY
MP	...25	1.861.750.01		METAL PLATE	ANY
MP	...26	1.861.750.02		INSULATOR	ANY
MP	...27	1.861.750.11		PCB	St
MP	...28	1.861.860.01		NAME PLATE+ 6.3*91	ANY
MP	...29	1.010.120.51		LABEL "FUSE 3.15A"	St
MP	...30	1.101.001.20		LABEL "RELEASE VERSION -20"	St
MP	...31	43.01.0108		LABEL "MSE"	ANY
P	1	54.01.0354		CARD CONNECTOR, 3*32 EURO WIRE WRAP	ANY
P	2	1.010.028.54		CONTACT PINS, QTY=912	ANY
P	3	1.010.029.54		DUMMY PINS, QTY=165	ANY
RZ	..107	57.88.3151	8*150	2% D1L16	ANY
RZ	..209	57.88.3332	8*3.3k	2% D1L16	ANY
(D1) RZ	..506	57.88.3472	8*4.7k	2% D1L16	ANY
RZ	..507	57.88.3471	8*470	2% D1L16	ANY
TP	1	29.21.6002		TESTPOINT	ANY
TP	2	29.21.6002		TESTPOINT	ANY
TP	3	29.21.6002		TESTPOINT	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
TP	4	29.21.6002		TESTPOINT	ANY
W	1	64.01.0345	55300mm	WRAP-TYPE	ANY
XF	1	53.03.0142		CLAMP+ 5*20	ANY
XF	2	53.03.0142		CLAMP+ 5*20	ANY

REMARKS: MOD 01: TRANDAR ADAPTATION, RZ 506 (PULLUP FOR CO...C3)

EIFO 6495b also manufactured by NS (DM87S402)

PROMS TAPETABLE ANX (n=0...5):

	X =	TAPE A	TAPE B
1 =		AGFA	SONY
2 =		BASF	AGFA
3 =		SONY	AMPEX
4 =		AMPEX	AGFA

MANUFACTURERS:
St = STUDER / MM1 = Monolithic Memories Indust. / NS = National Semiconductor / HP = HEWLETT-PACKARD / Ph = PHILIPS

ABBREVIATIONS:
CER = CERAMIC / EILM = EILM TYPE / XF = CLAMP FOR FUSES / XIC = IC SOCKET

DRIG 86/04/03 (20) 86/06/23

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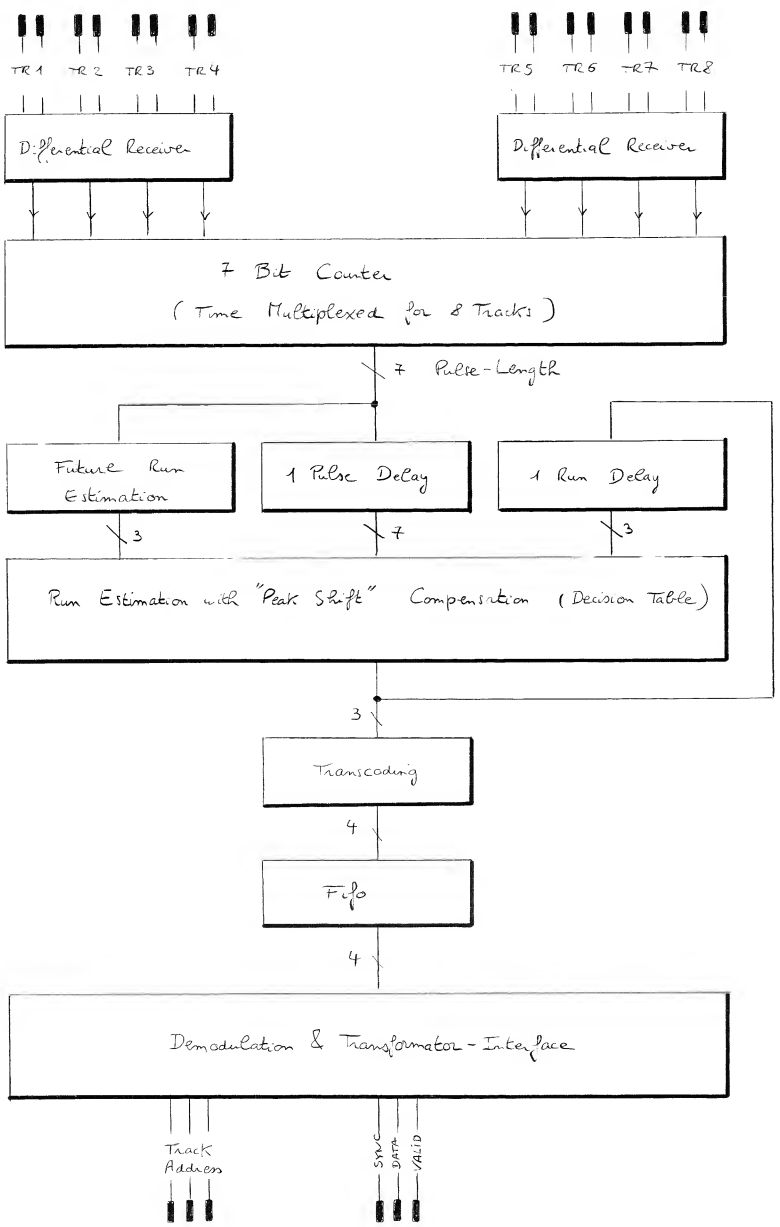

0 16.02.85				
	D820X			PAGE 1 OF 1
STUDER	BLOCK DIAGRAM RUN PROCESSOR			1.861.860.00

PUBLISHED: 11/86

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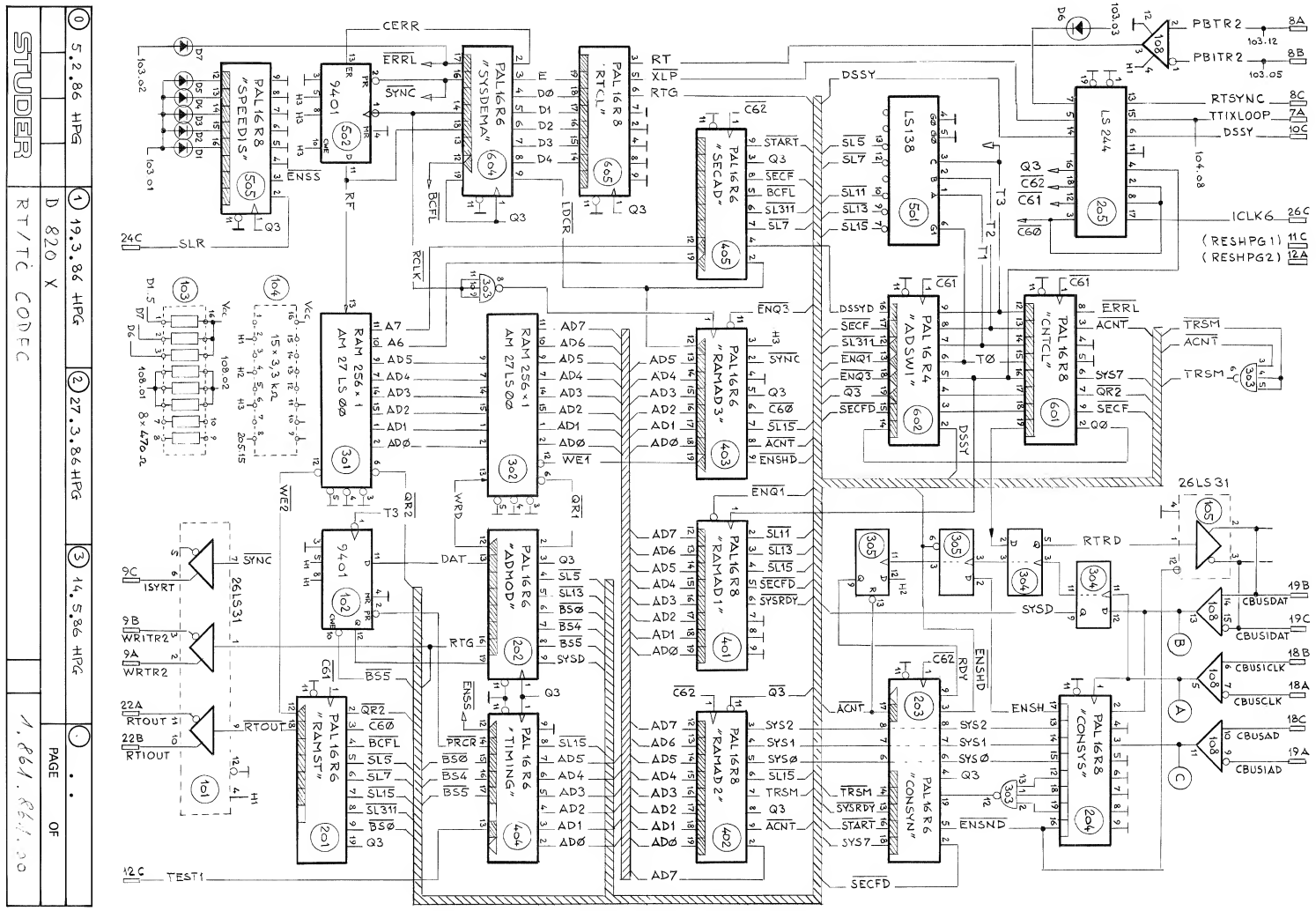

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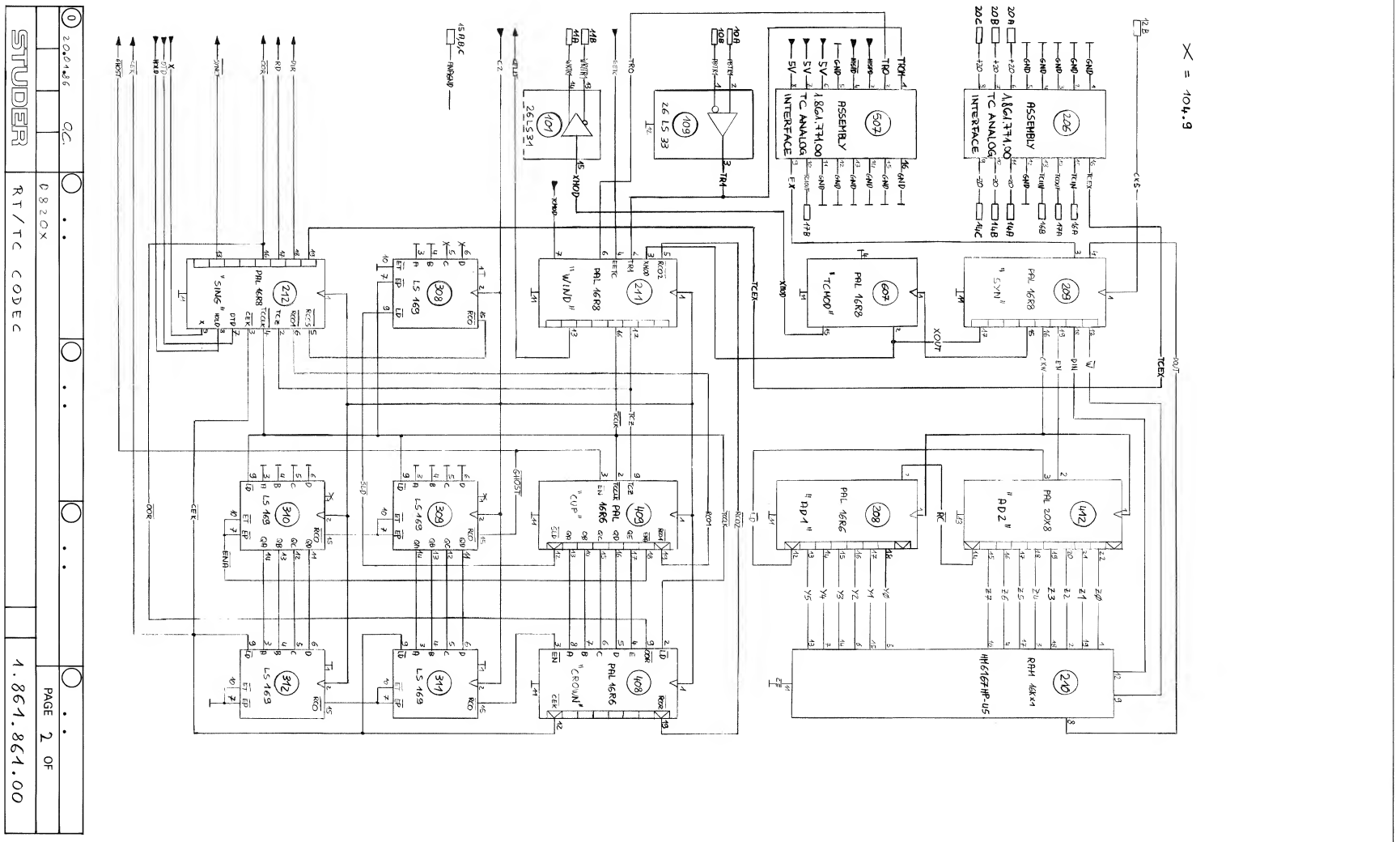
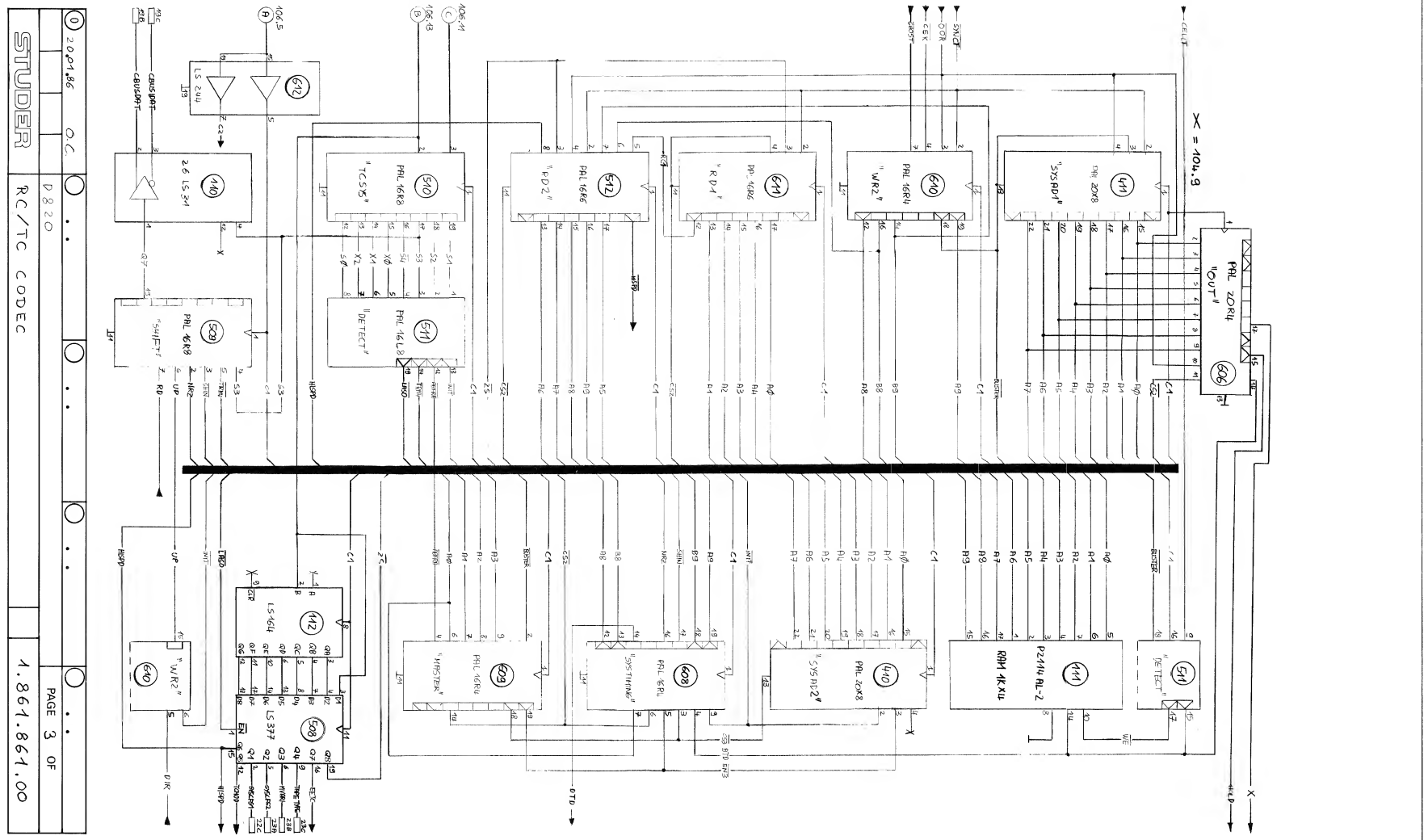
RT/TC CODEC 1.861.861.00 PAGE 2



RT/TC CODEC 1.861.861.00 **PAGE 3**



RT/TC CODEC 1.861.861.00 **PAGE 4**

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	A.....1	1.861.771.00		TC ANALOG IF	St
	C.....1	59.22.9470	47u	50%, 10V, ELECTROLYTIC	ANY
	C.....2	1.010.001.59	68n	50%, 20V, QTY=45	ANY
	D.....1	50.04.2700		LED RED	HP
	D.....2	50.04.2700		LED RED	HP
	D.....3	50.04.2132		LED GRN	HP
	D.....4	50.04.2700		LED RED	HP
	D.....5	50.04.2700		LED RED	HP
	D.....6	50.04.2700		LED RED	HP
	D.....7	50.04.2700		LED RED	HP
	F.....1	51.01.0122		FUSE, 3.15AT/250V, 5*20mm	ANY
	IC..101	50.15.0108		AM26 LS 31PC	ANY
	IC..102	50.13.0108		F 9401 PC+ N8X01 AN	ANY
	IC..105	50.15.0108		AM26 LS 31 PC,AM26 LS31 CN	ANY
	IC..108	50.13.0109		AM26 LS33 PC+DS26 LS33 CN	ANY
	IC..109	50.15.0109		AM26 LS33 PC+DS26 LS33 CN	ANY
	IC..110	50.15.0108		AM26 LS 31PC	ANY
	IC..111	50.14.0116		TMM 2114 AP-15, 1kx4, STATIC	ANY
	IC..112	50.06.0164		SN 74 LS 164	ANY
	IC..201	50.18.0011		PAL 16 R 6 A-2 CN (18619D020)	ANY
	IC..202	50.18.0011		PAL 16 R 6 A-2 CN (18619D120)	ANY
	IC..203	50.18.0011		PAL 16 R 6 A-2 CN (18619D220)	ANY
	IC..204	50.18.0012		PAL 16 R 8 A-2 CN (18619D320)	ANY
	IC..205	50.06.0244		SN 74 LS 244	ANY
	IC..208	50.18.0011		PAL 16 R 6 A-2 CN (18619D420)	ANY
	IC..209	50.18.0012		PAL 16 R 8 A-2 CN (18619D520)	ANY
	IC..210	50.14.0132		IMS 1400 P-45	ANY
	IC..211	50.18.0012		PAL 16 R 8 A-2 CN (18619D620)	ANY
	IC..212	50.18.0012		PAL 16 R 8 A-2 CN (18619D720)	ANY
	IC..301	50.14.0115		AM 27 LS 00 PC	ANY
	IC..302	50.14.0115		AM 27 LS 00 PC	ANY
	IC..303	50.06.0010		SN 74 LS 10 N	ANY
	IC..304	50.06.0074		SN 74 LS 74 N	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC..305	50.06.0074		SN 74 LS 74 N	ANY
	IC..308	50.06.0869		SN 74 LS 169 N	ANY
	IC..309	50.06.0869		SN 74 LS 169 N	ANY
	IC..310	50.06.0869		SN 74 LS 169 N	ANY
	IC..311	50.06.0869		SN 74 LS 169 N	ANY
	IC..312	50.06.0869		SN 74 LS 169 N	ANY
	IC..401	50.18.0012		16 R 8 A-2CN (18619D820)	ANY
	IC..402	50.18.0012		16 R 8 A-2CN (18619D920)	ANY
	IC..403	50.18.0011		PAL 16 R 6 A-2 CN (18619D20)	ANY
	IC..404	50.18.0011		PAL 16 R 6 A-2 CN (18619T120)	ANY
	IC..405	50.18.0011		PAL 16 R 6 A-2 CN (18619T220)	ANY
	IC..408	50.18.0011		PAL 16 R 6 A-2 CN (18619T320)	ANY
	IC..409	50.18.0011		PAL 16 R 6 A-2 CN (18619T420)	ANY
	IC..410	50.18.0015		20 X 8 CN (18619T52)	ANY
	IC..411	50.18.0015		20 X 8 CN (18619T620)	ANY
	IC..412	50.18.0015		20 X 8 CN (18619T720)	ANY
	IC..501	50.06.0135		SN 74 LS 138 N	ANY
	IC..502	50.13.0108		F 9401 PC+ N8X01 AN	ANY
	IC..505	50.18.0017		PAL 16 R 8 A-2 LN (18619T920)	ANY
	IC..506	50.06.0377		SN 74 LS 377 N	ANY
	IC..509	50.18.0012		PAL 16 R 8 A-2 CN (18619T020)	ANY
	IC..510	50.18.0012		PAL 16 R 8 A-2 CN (18619T020)	ANY
	IC..511	50.18.0037		PAL 16 L 8 A-2 CN (18619T620)	ANY
	IC..512	50.18.0011		PAL 16 R 6 A-2 CN (18619T220)	ANY
	IC..601	50.18.0012		PAL 16 R 8 A-2 CN (18619T320)	ANY
	IC..602	50.18.0010		PAL 16 R 4 A-2 CN (18619T420)	ANY
	IC..604	50.18.0011		PAL 16 R 6 A-2 CN (18619T520)	ANY
	IC..605	50.18.0012		PAL 16 R 8 A-2 CN (18619T620)	ANY
	IC..606	50.18.0014		PAL 20 R 4 A-CN (18619T720)	ANY
	IC..607	50.18.0012		PAL 16 R 8 A-2 CN (18619T820)	ANY
	IC..608	50.18.0010		PAL 16 R 4 A-2 CN (18619T920)	ANY
	IC..609	50.18.0010		PAL 16 R 4 A-2 CN (18619T920)	ANY
	IC..610	50.18.0010		PAL 16 R 4 A-2 CN (18619T020)	ANY
	IC..611	50.18.0011		PAL 16 R 6 A-2 CN (18619T120)	ANY
	IC..612	50.06.0244		SN 74 LS 244 N	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....1	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....2	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....3	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....4	21.01.0279		SCREW, CYLIN. HEAD, M2.5*6	ANY
	MP....5	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....6	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....7	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....8	21.01.2279		SCREW, COUNTERSUNK HEAD, M2.5*6	ANY
	MP....9	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....10	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....11	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....12	24.16.1025		LOCK WASHER, M2.5	ANY
	MP....13	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP....14	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP....15	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP....16	28.99.0119		RIVETING NUT, 02.580.15*10	ANY
	MP....17	28.99.0119		RIVETING NUT, 02.580.15*10	ANY
	MP....18	1.010.006.33		MARKING HANDLE	ANY
	MP....19	1.010.006.33		MARKING HANDLE	ANY
	MP....20	1.010.096.49		TRANSPARENT COVER	ANY
	MP....21	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....22	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....23	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....24	1.180.402.02		STAND-OFF, M2.5*12.8	ANY
	MP....25	1.861.750.01		METAL PLATE	ANY
	MP....26	1.861.750.02		INSULATOR	ANY
	MP....27	1.861.750.11		PCB	St
	MP....28	1.861.861.01		LABEL WITH BOARD NUMBER	St
	MP....29	45.01.0108		LABEL "ESC"	ANY
	MP....30	1.010.120.51		LABEL "FUSE 3.15A"	St
	MP....31	1.101.091.20		LABEL "RELEASE VERSION -20"	St
	MP....32	1.010.128.49		GUIDING TEMPLATE FOR PINS	St
	P.....1	56.31.9354		CARD CONNECTOR, 3*32 EURO WIRE WRAP	ANY
	P.....2	1.010.026.44		CONTACT PINS, QTY=1200	ANY
	P.....3	1.010.029.54		DUMMY PINS, QTY=240	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	RZ..103	57.88.3471	8047Ω	DIL	ANY
	RZ..104	57.85.3332	1593.3k	DIL	ANY
	TP....1	29.21.6002		TESTPOINT	ANY
	TP....2	29.21.6002		TESTPOINT	ANY
	TP....3	29.21.6002		TESTPOINT	ANY
	TP....4	29.21.6002		TESTPOINT	ANY
	W.....1	64.01.0345	6980mm	WRAP TYPE	ANY
	XF....1	53.03.0142		CLAMP, 5*20	ANY
	XF....2	53.03.0142		CLAMP, 5*20	ANY

REMARKS:

MANUFACTURERS:
St = STUDER / HP = HEWLETT-PACKARD /

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES /
XIC = IC SOCKET

ORIG 86/02/12

PUBLISHED: 09/86

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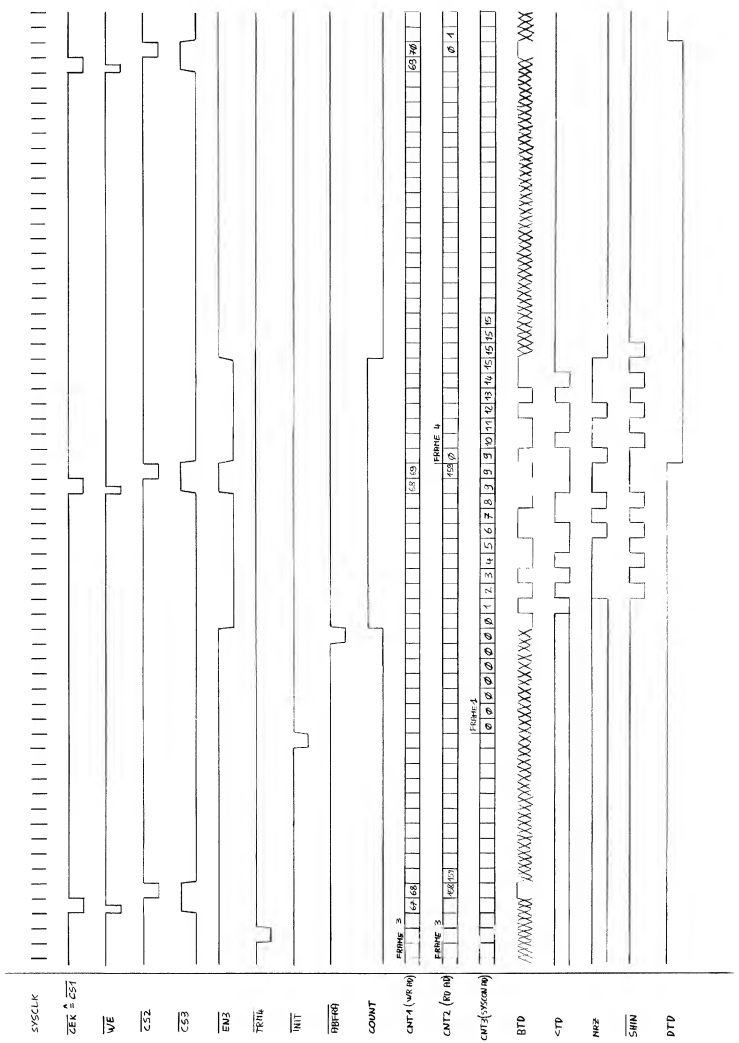
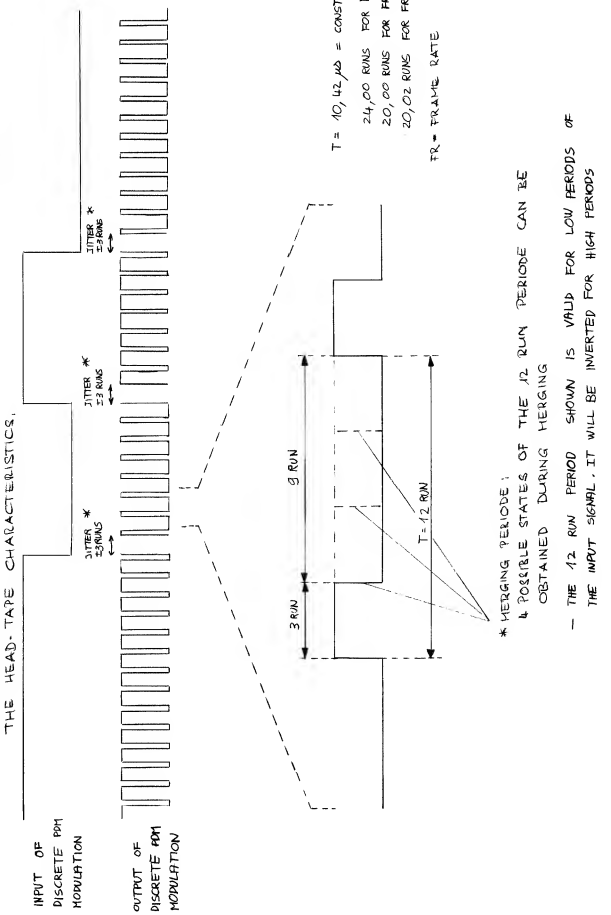


0 14.01.85 O.C.	. .	. .	. .	. .
	D820.			PAGE 1 OF 1
STUDER	TC CODEC -READ DELAY-			1.861.861.00

DISCRETE PDM MODULATION

DISCRETE PDM MODULATION WITH THE 12-RUN PERIODE SHOWN BELOW ENSURES OVERWRITING OF TC AND ITS SPECTRUM USAGE HATCHES THE HEAD-TAPE CHARACTERISTICS.



0 08.09.86	. .	. .	. .	. .
	D820X TC CODEC			PAGE 2 OF 2
STUDER	DISCRETE PDM MODULATION			1.861.861.00

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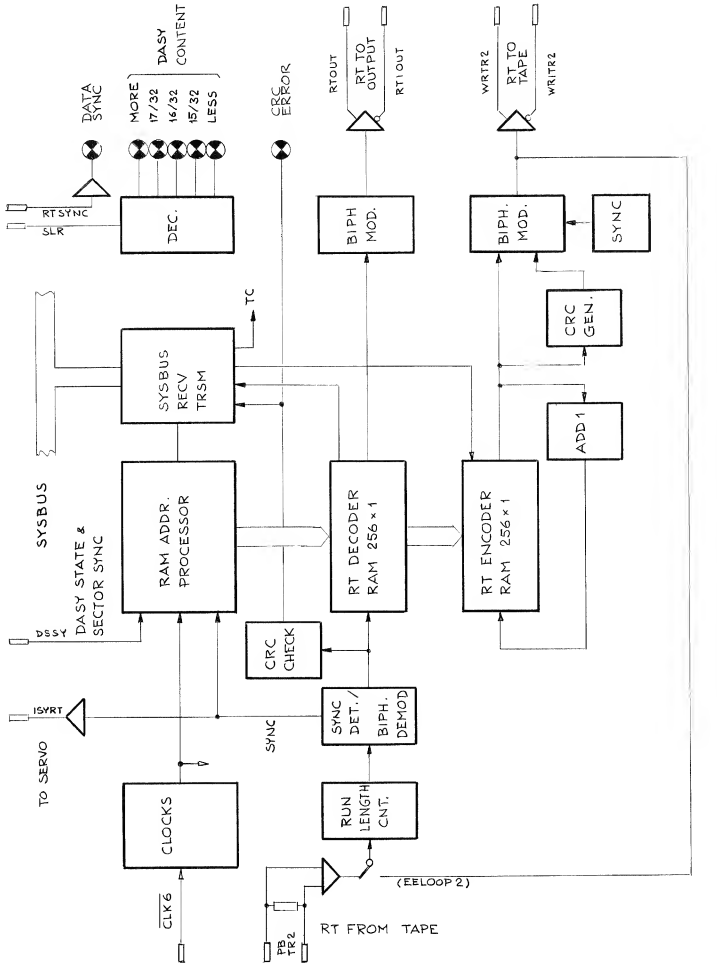
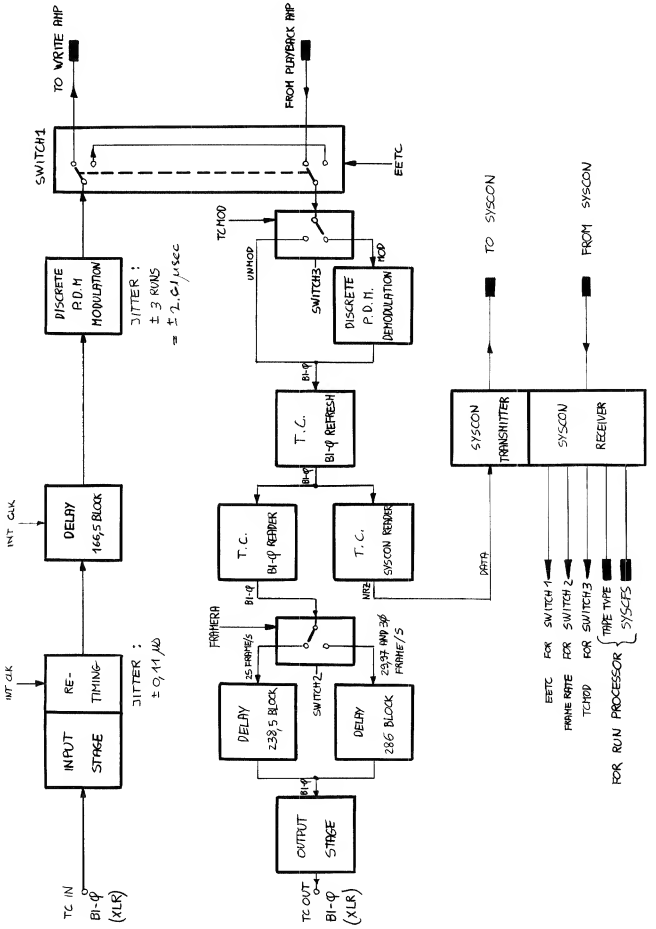


⓪ 27.8.86 HPG	. .	. .	. .
D820X			PAGE 1 OF 1
STUDER	RT CODEC BLOCK DIAGRAM		1.861.861.00



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D820X TC CODEC			PAGE 1 OF 2
STUDER	BLOCK DIAGRAM		1.861.861.00

PUBLISHED: 11/86

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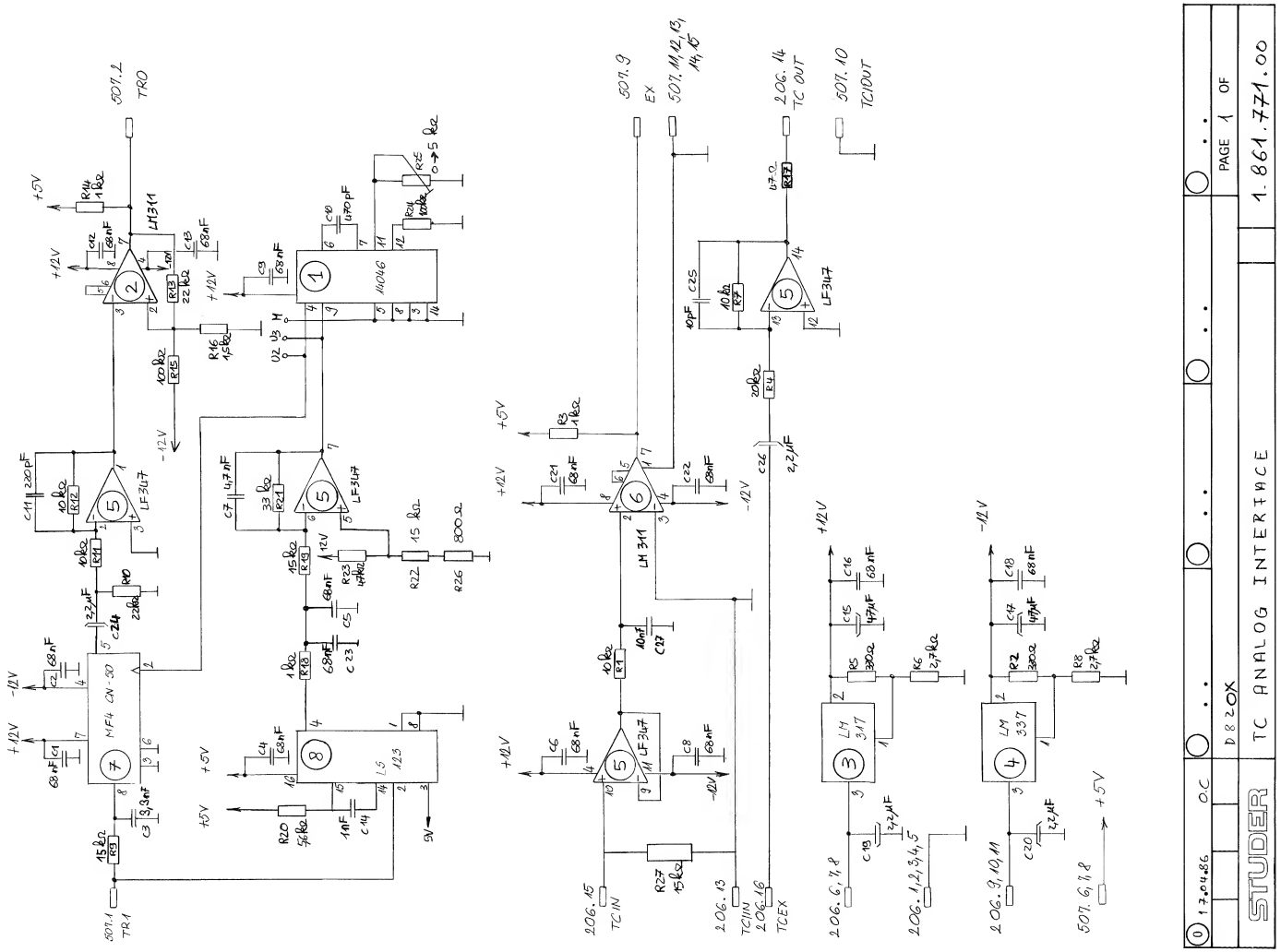
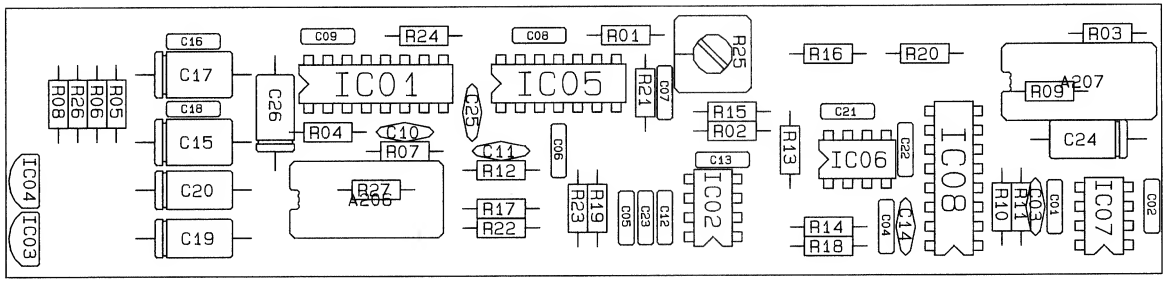


TC ANALOG IF 1.861.771.00 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C..0001	59.99.0205	68n	20%, 30V, CER	ANY
	C..0002	59.99.0205	68n	20%, 30V, CER	ANY
	C..0003	59.32.2681	680p	10%, 20V, CER	ANY
	C..0004	59.99.0205	68n	20%, 30V, CER	ANY
	C..0005	59.06.0683	68n	10%, 30V, FILM	ANY
	C..0006	59.99.0205	68n	20%, 30V, CER	ANY
	C..0007	59.06.0472	4.7n	10%, 20V, FILM	ANY
	C..0008	59.99.0205	68n	20%, 30V, CER	ANY
	C..0009	59.99.0205	68n	20%, 30V, CER	ANY
	C..0010	59.32.1471	470p	10%, 30V, CER	ANY
	C..0011	59.32.1221	220p	10%, 30V, CER	ANY
	C..0012	59.99.0205	68n	20%, 30V, CER	ANY
	C..0013	59.99.0205	68n	20%, 30V, CER	ANY
	C..0014	59.06.0102	1.0n	10%, 30V, FILM	ANY
	C..0015	59.25.4470	47u	20%, 25V, EL	ANY
	C..0016	59.99.0205	68n	20%, 30V, CER	ANY
	C..0017	59.25.4470	47u	20%, 25V, EL	ANY
	C..0018	59.99.0205	68n	20%, 30V, CER	ANY
	C..0019	59.25.6229	2.2u	20%, 20V, EL	ANY
	C..0020	59.25.6229	2.2u	20%, 20V, EL	ANY
	C..0021	59.99.0205	68n	20%, 30V, CER	ANY
	C..0022	59.99.0205	68n	20%, 30V, CER	ANY
	C..0023	59.06.0683	68n	10%, 30V, FILM	ANY
	C..0024	59.25.6229	2.2u	20%, 20V, EL	ANY
	C..0025	59.34.1100	10p	5%, 30V, CER	ANY
	C..0026	59.25.6229	2.2u	20%, 20V, EL	ANY
	IC.0001	50.07.0046	MC 14046	8PC	ANY
	IC.0002	50.11.0114	LM 311 N	LM 311 P	ANY
	IC.0003	50.10.0108	LM 317 L	Z	ANY
	IC.0004	50.10.0109	LM 337 L	Z	ANY
	IC.0005	50.09.0104	LF 347 N		ANY
	IC.0006	50.11.0114	LM 311 N	LM 311 P	ANY
	IC.0007	50.11.0135		MF 4 CN-50 NOISE	NS
	IC.0008	50.06.0123		SN 74 LS 123 N	ANY
	MP.0001	53.03.0191		ADAPTER PLUG 208	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP.0002	53.03.0191		ADAPTER PLUG 208	ANY
	MP.0003	1.861.771.11		PCB	ST
	MP.0004	1.861.771.01		LABEL WITH BOARD NUMBER	ST
	MP.0005	43.01.0108		LABEL "MSF"	ANY
	R..0001	57.11.3103	10k	2%	ANY
	R..0002	57.11.3331	330	2%	ANY
	R..0003	57.11.3102	1k	2%	ANY
	R..0004	57.11.3203	20k	2%	ANY
	R..0005	57.11.3331	330	2%	ANY
	R..0006	57.11.3272	2.7k	2%	ANY
	R..0007	57.11.3203	20k	2%	ANY
	R..0008	57.11.3272	2.7k	2%	ANY
	R..0009	57.11.3103	10k	2%	ANY
	R..0010	57.11.3223	22k	2%	ANY
	R..0011	57.11.3103	10k	2%	ANY
	R..0012	57.11.3103	10k	2%	ANY
	R..0013	57.11.3223	22k	2%	ANY
	R..0014	57.11.3102	1k	2%	ANY
	R..0015	57.11.3104	100k	2%	ANY
	R..0016	57.11.3152	1.5k	2%	ANY
	R..0017	57.11.3470	47	2%	ANY
	R..0018	57.11.3102	1k	2%	ANY
	R..0019	57.11.3153	15k	2%	ANY
	R..0020	57.11.3562	5.6k	2%	ANY
	R..0021	57.11.3333	33k	2%	ANY
	R..0022	57.11.3153	15k	2%	ANY
	R..0023	57.11.3473	47k	2%	ANY
	R..0024	57.11.3104	100k	2%	ANY
	R..0025	58.11.5902	9k		ANY
	R..0026	57.11.3821	820	2%	ANY
	R..0027	57.11.3153	15k	2%	ANY

REMARKS:

MANUFACTURERS:
ST = STUDER / NS = NATIONAL SEMICONDUCTOR

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE /
EL = ELECTROLYTIC

ORIG 86/08/14

PUBLISHED: 09/86

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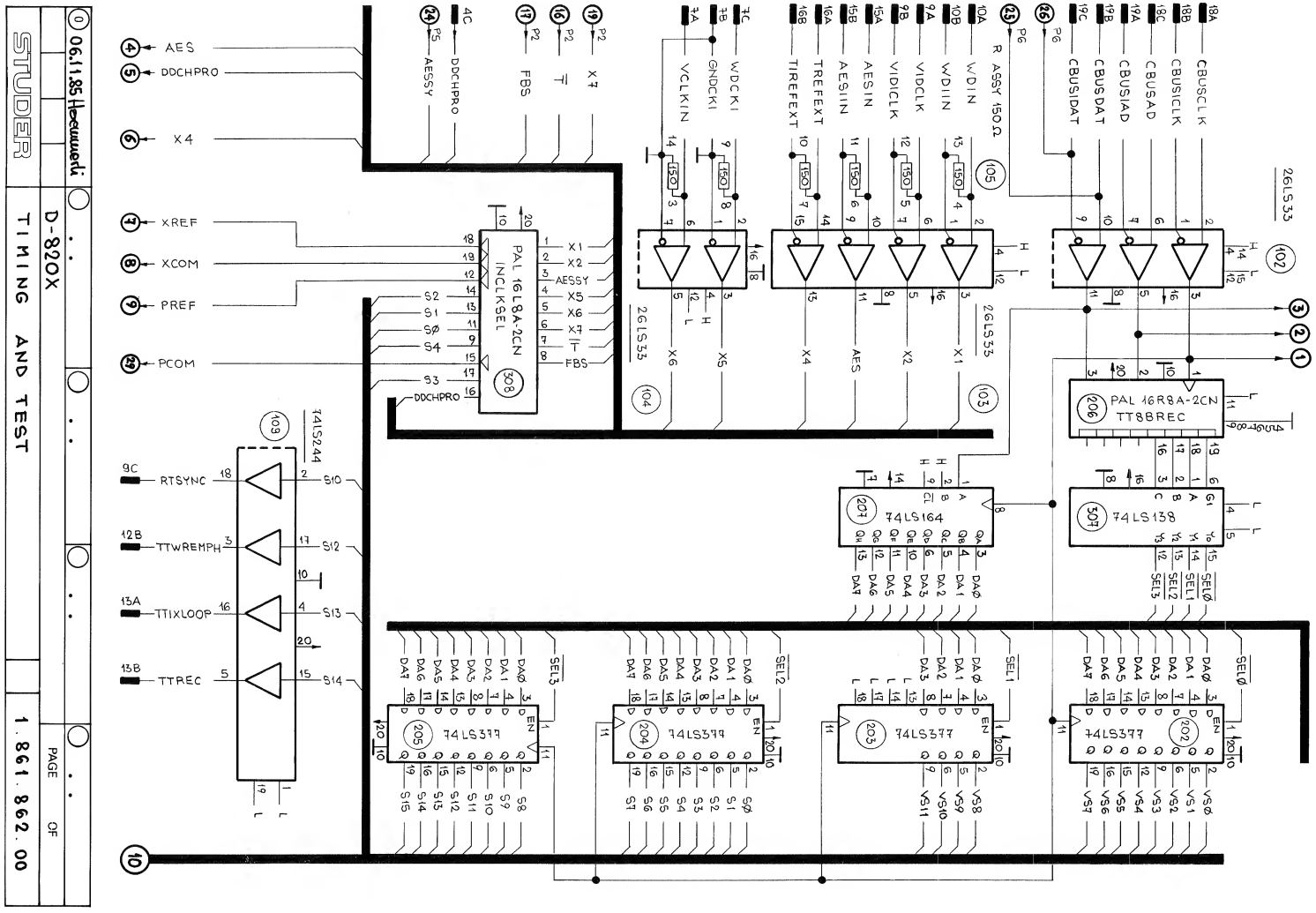

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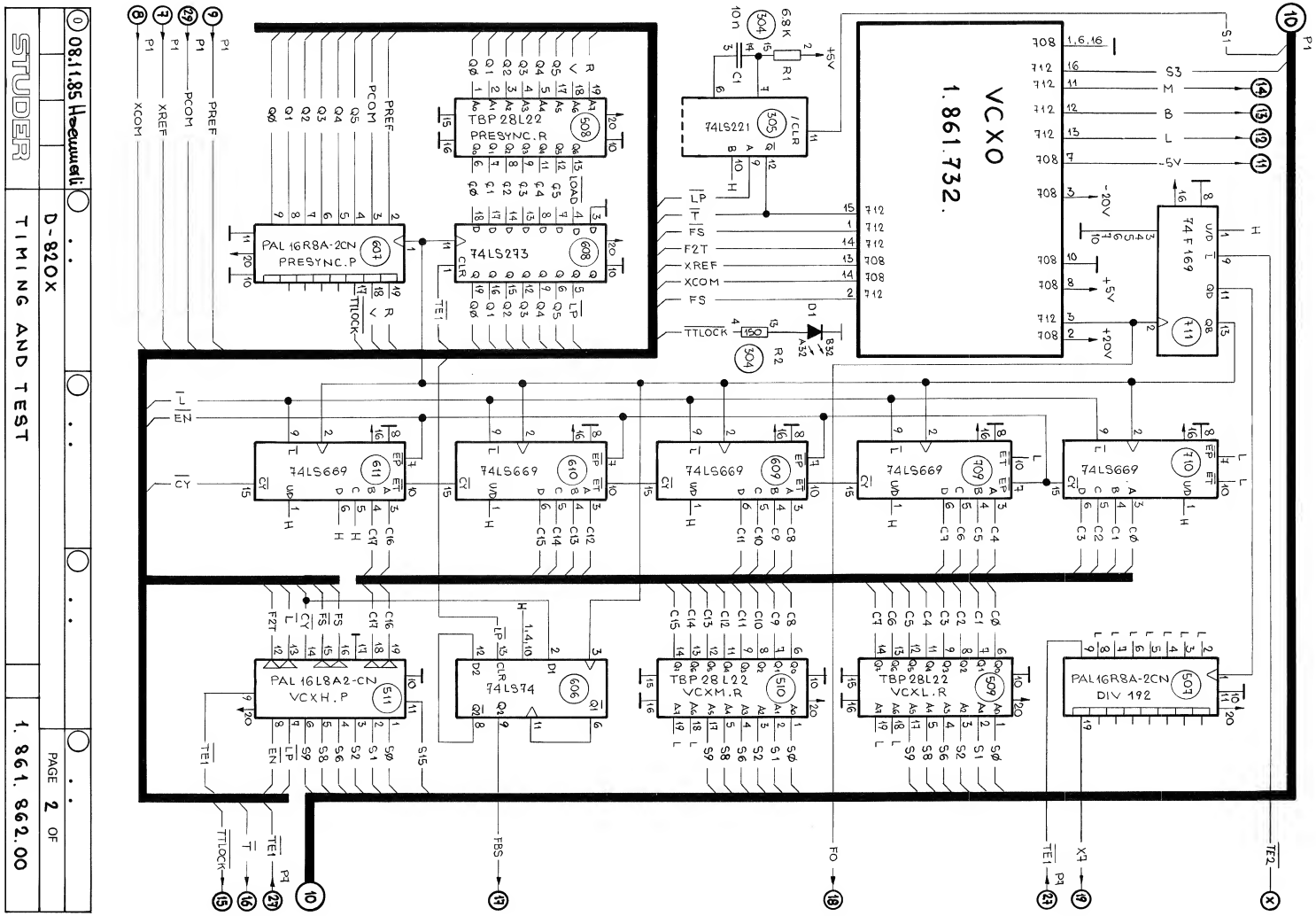

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STUDER
D-820X
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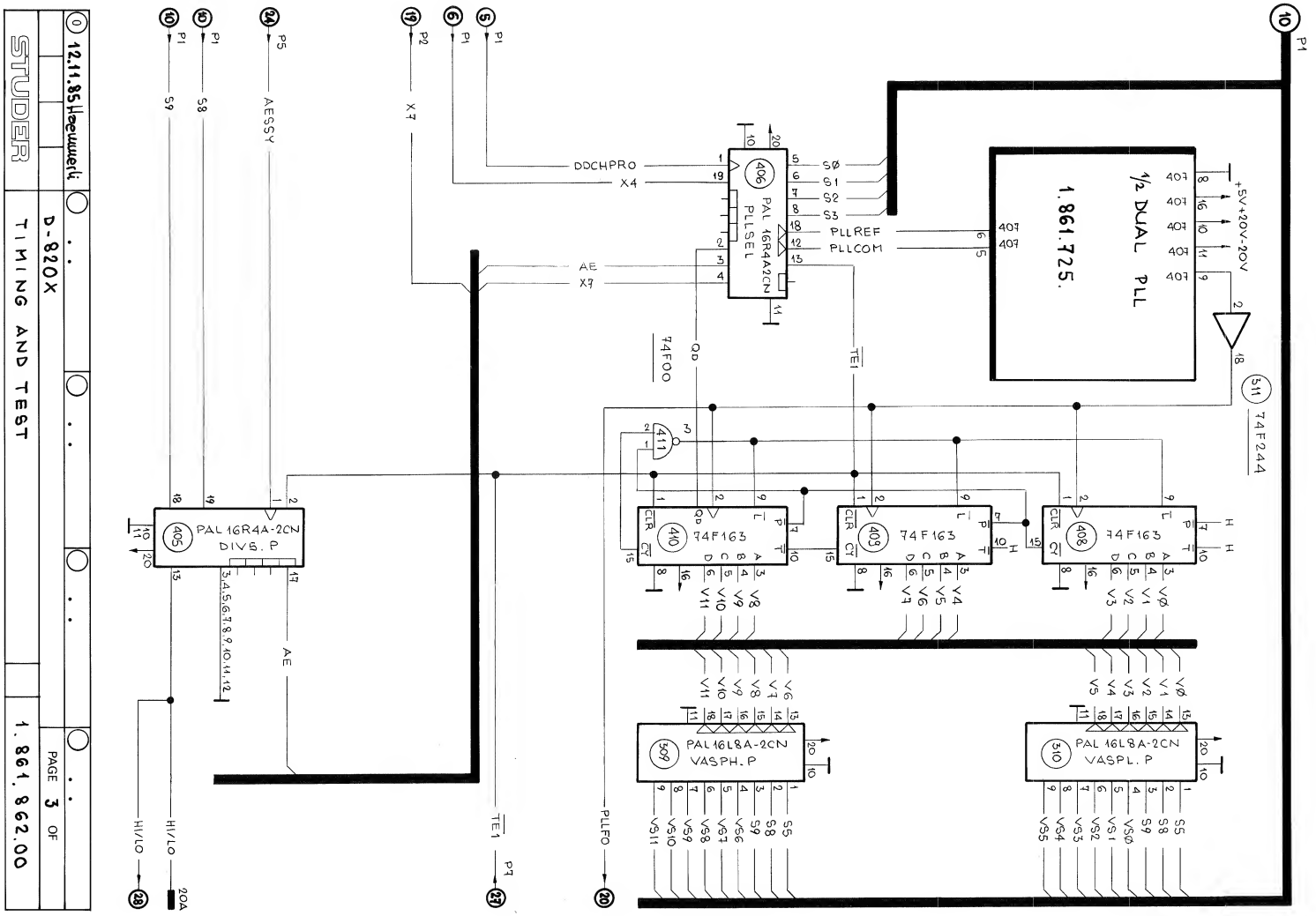

0	12.11.85 Hebmüeli					
STUDER	D-820X					
	TIMING AND TEST					
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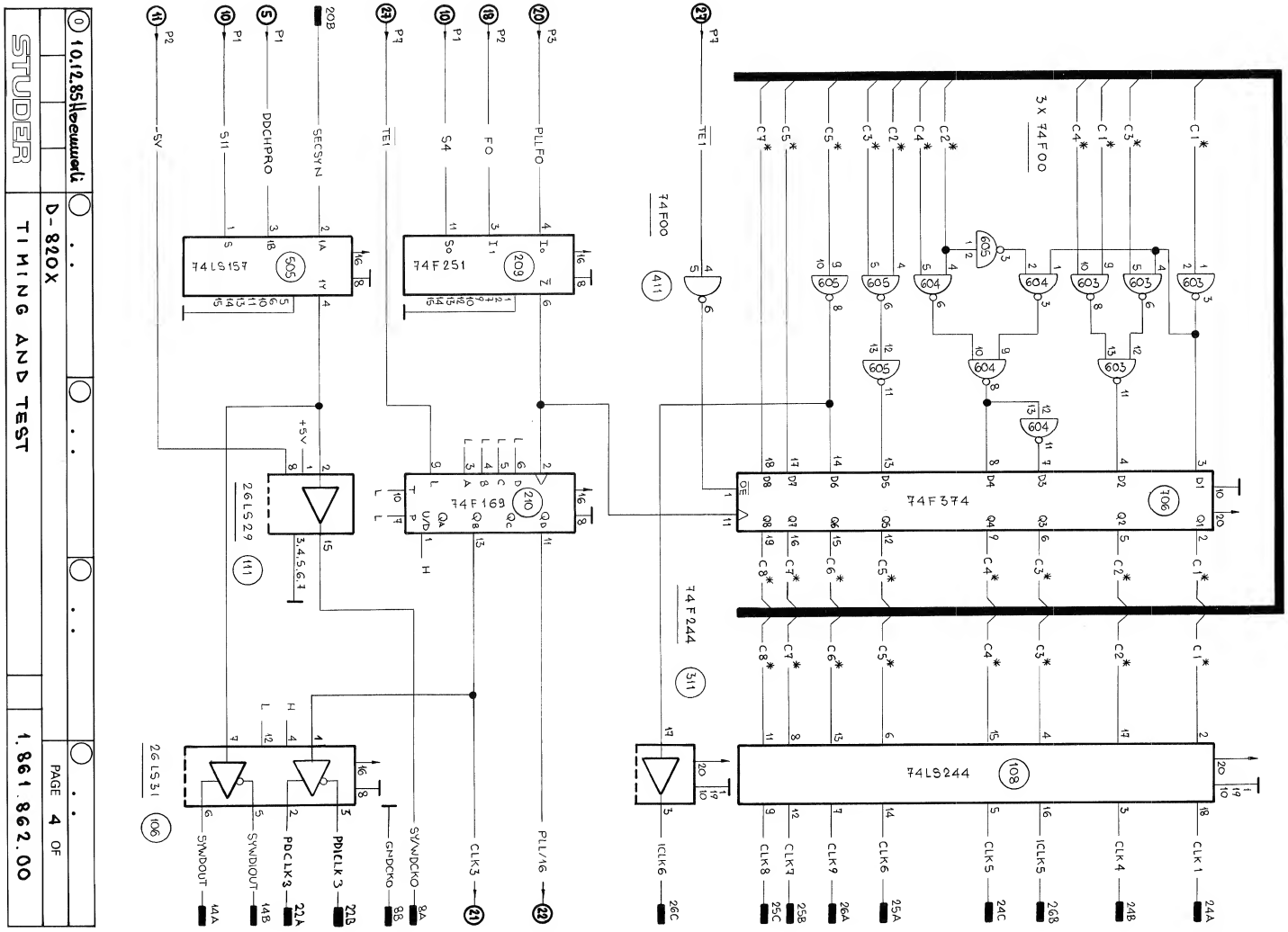

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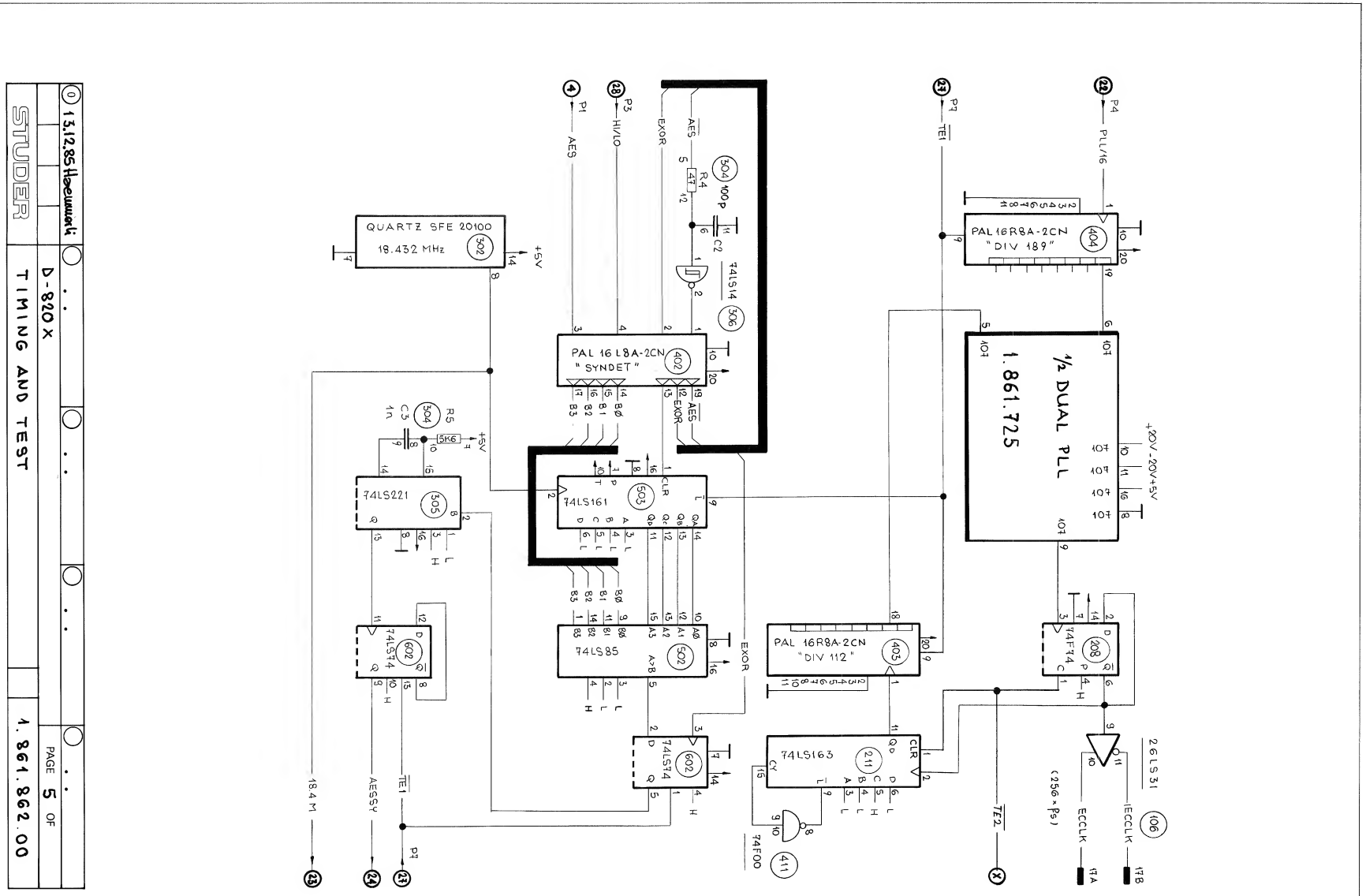
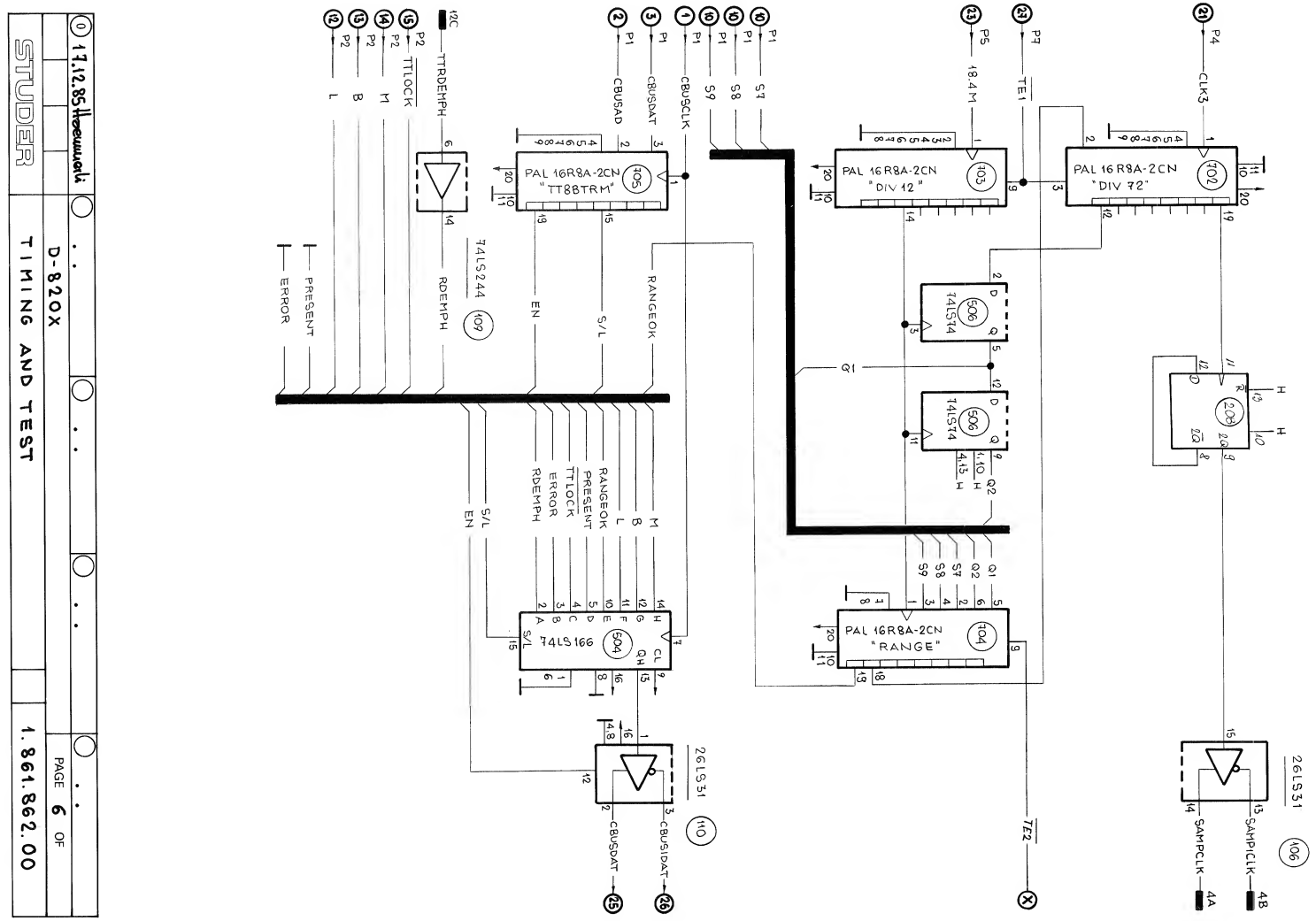


STUDER	0 13.12.85 Haemmerli	. .	. .	. .	. .	. .
	D-820X					
	TIMING AND TEST					
	1.861.862.00				PAGE 5 OF	


STUDER
D-820X
TIMING AND TEST
1.861.862.00
PAGE 6 OF
0 17.12.85 Hrzewuski
PAL 16R8A-2CN "DIV 72" 102
PAL 16R8A-2CN "DIV 12" 103
PAL 16R8A-2CN "RANGE" 104
PAL 16R8A-2CN "TT8BTRM" 105
74LS166 504
74LS374 506
74LS244 109
26LS31 110
26LS31 106
CLK3
18.4M
TE1
TE2
CBUSAD
CBUSDAT
CBUSCLK
S9
S8
S7
Q1
Q2
RANGEOK
PRESENT
ERROR
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TTRDEMPH
L
B
M
S/L
EN
SAMPCLK
SAMPCLK

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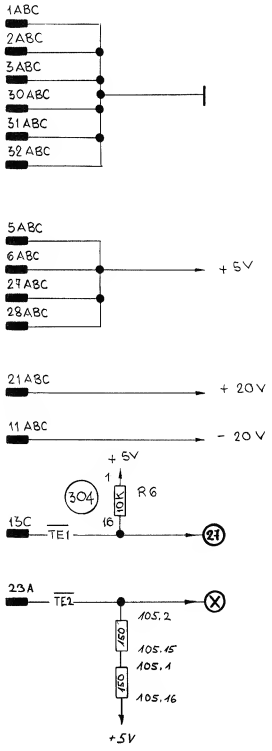

0 17.12.85 Hbaumgarti	. .	. .	. .	. .
	D-820X 2CH-PCM RECORDER			PAGE 7 OF
STUDER	TIMING AND TEST BOARD			1.861.862.00

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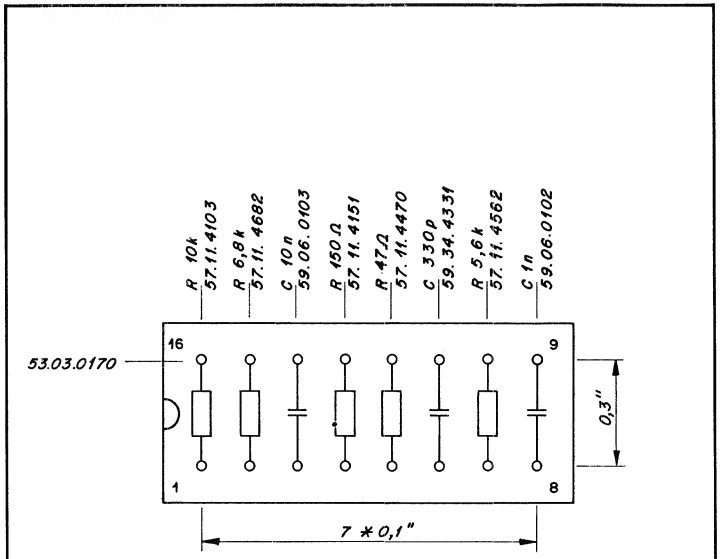

Werkstoff	Norm-Nr.:	Oberfläche	Güte:		Änderung		③
	DIN-Bez.:		Beh.:				②
	Abmessung:						①
Zugehörige Unterlagen:		Freimasstoleranz: ±	Maßstab: 1/1		Ausgabe	18.2.86 A.Ho	⓪
					Datum	Gez. Gepr. Ges.	Index
Ersatz für:		Ersetzt durch:			Kopie für:		
STUDER REGENSDORF ZÜRICH		Benennung: Assembly 862-304			Nummer: 1.861.734-00		

PUBLISHED: 09/86

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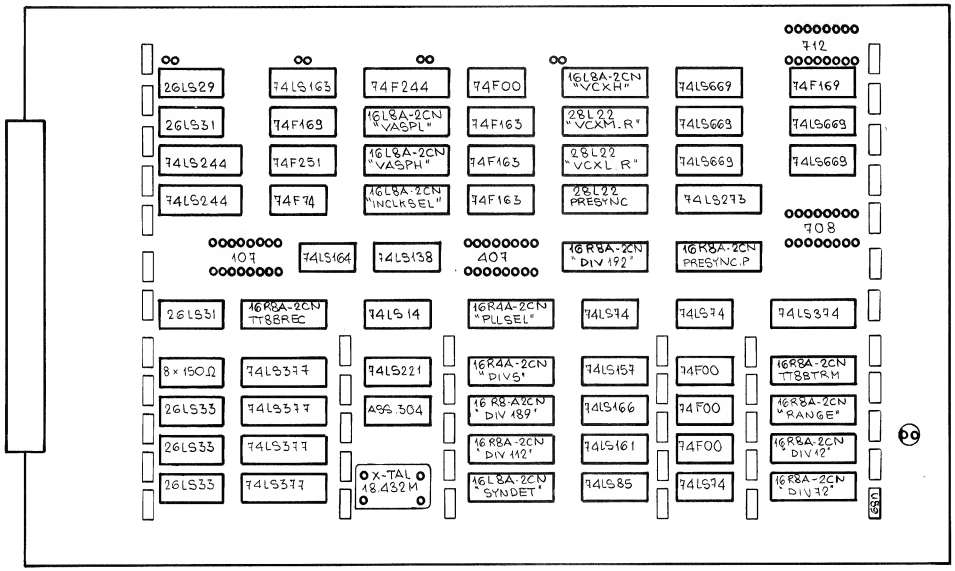

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP.1036	1.861.862.01		NAME PLATE, 6.1991	St
	MP.1037	1.010.120.51		LABEL FOR FUSE	St
	MP.1038	1.861.862.02		FASTENING DEVICE FOR PC"S	St
	MP.1039	21.01.0038		LABEL "MSIP"	ANY
	MP.1040	1.101.001.20		LABEL "HARDWARE VERSION -20"	St
	MP.1041	1.010.074.27		STAND-OFF M2.5#11	ANY
	MP.1042	1.010.074.27		STAND-OFF M2.5#11	ANY
	MP.1043	1.010.074.27		STAND-OFF M2.5#11	ANY
	MP.1044	1.010.074.27		STAND-OFF M2.5#11	ANY
	MP.1045	1.010.119.27		STAND-OFF M2.5#21	ANY
	MP.1046	1.010.119.27		STAND-OFF M2.5#21	ANY
	MP.1047	21.11.2392		SCREW, COUNTERSUNK HEAD, M3#4	ANY
	MP.1048	21.01.2392		SCREW, COUNTERSUNK HEAD, M3#4	ANY
	P..1001	56.01.0394		CARD CONN-CTOR, 3932 EURO WIRE WRAP	ANY
	P..1002	1.010.029.54		CONTACT PINS, 1210 PCS	ANY
	P..1003	1.010.029.54		DUMMY PINS, 165 PCS	ANY
	RZ.0105	57.88.3151	8#150	10%	ANY
	W..0001	64.01.0345	6600mm	WIRE WRAP TYPE	ANY
	XF.1001	53.03.9142		CLAMP, 5020	ANY
	XF.1002	53.03.9142		CLAMP, 5020	ANY
	XIC0001	53.03.0202		SINGLE LINE, 5 PINS, FOR ASSY 1861733	ANY
	XIC0002	53.03.0202		SINGLE LINE, 5 PINS, FOR ASSY 1861733	ANY
	XIC0003	53.03.0217		SINGLE LINE, 25 PINS	ANY
	XIC0004	53.03.0217		SINGLE LINE, 25 PINS	ANY
	XIC0005	53.03.0217		SINGLE LINE, 25 PINS	ANY
	Y..0302	49.01.0590		18.4326 MHz, TTL-OUTPUT	SFE, STC

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	A..0001	1.861.731.00		PLL	St
	A..0002	1.861.731.01		PLL	St
	A..0003	1.861.732.00		VCXO	St
	A..0304	1.861.734.00		ASSEMBLY 862-304	St
	C..1001	1.010.001.59	68 n	30%, 40V, CER, QTY = 43	ANY
	C..1004	59.22.5470	47 u	30%, 20V, ELECTROLYTIC	ANY
	DL.0001	50.04.2700		HLMP-6000, RED, TT-LOCK	HP, Lix
	F..1001	51.31.0122		FUSE, 3.15AT/250V, 5020mm	ANY
	IC.0102	50.15.0109		AM26 LS33 PC	ANY
	IC.0103	50.15.0109		AM26 LS33 PC	ANY
	IC.0104	50.19.0109		AM26 LS33 PC	ANY
	IC.0106	50.15.0108		AM26 LS 31 PC	ANY
	IC.0108	50.06.0244		74 LS 244	ANY
	IC.0109	50.06.0244		SN 74 LS 244 N	ANY
	IC.0110	50.19.0108		AM26 LS 31 PC	ANY
	IC.0111	50.19.0117		AM 26 LS 29 PC	AMD
	IC.0202	50.06.0377		SN 74 LS 377 N	ANY
	IC.0203	50.06.0377		SN 74 LS 377 N	ANY
	IC.0204	50.06.0377		SN 74 LS 377 N	ANY
	IC.0205	50.06.0377		SN 74 LS 377 N	ANY
	IC.0206	50.18.0012		PAL 16 R 8 A-2 CN (1861921?0)	ANY
	IC.0207	50.06.0164		SN 74 LS 164 N	ANY
	IC.0208	50.21.0074		74 F 74	ANY
	IC.0209	50.21.0251		74 F 251	ANY
	IC.0210	50.21.0169		74 F 169	ANY
	IC.0211	50.06.0163		SN 74 LS 163 AN	ANY
	IC.0305	50.06.0221		SN 74 LS 221 N	ANY
	IC.0306	50.06.0014		SN 74 LS 14 N	ANY
	IC.0307	50.06.0138		74 LS 138 N	ANY
	IC.0308	50.18.0009		PAL 16 L 8 A-2 CN (1861922?0)	ANY
	IC.0309	50.18.0009		PAL 16 L 8 A-2 CN (1861923?0)	ANY
	IC.0310	50.18.0009		PAL 16 L 8 A-2 CN (1861924?0)	ANY
	IC.0311	50.21.0244		74 F 244	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC.0402	50.18.0009		PAL 16 L 8 A-2 CN (1861925?0)	ANY
	IC.0403	50.18.0012		PAL 16 R 8 A-2 CN (1861926?0)	ANY
	IC.0404	50.18.0012		PAL 16 R 8 A-2 CN (1861927?0)	ANY
	IC.0405	50.18.0010		PAL 16 R 4 A-2 CN (1861928?0)	ANY
	IC.0406	50.18.0010		PAL 16 R 4 A-2 CN (1861929?0)	ANY
	IC.0408	50.21.0163		74 F 163	ANY
	IC.0409	50.21.0163		74 F 163	ANY
	IC.0410	50.21.0163		74 F 163	ANY
	IC.0411	50.21.0000		74 F 00	ANY
	IC.0502	50.06.0085		SN 74 LS 85 N	ANY
	IC.0503	50.06.0161		SN 74 LS 161 AN	ANY
	IC.0504	50.06.0166		SN 74 LS 166 N	ANY
	IC.0505	50.06.0157		SN 74 LS 157 N	ANY
	IC.0506	50.06.0074		SN 74 LS 74 N	ANY
	IC.0507	50.18.0012		PAL 16 R 8 A-2 CN (1861930?0)	ANY
	IC.0508	50.19.0114		TBP 28L 22V, 630?-1N (1861931?0)	ANY
	IC.0509	50.19.0114		TBP 28L 22V, 630?-1N (1861932?0)	ANY
	IC.0510	50.19.0114		TBP 28L 22V, 630?-1N (1861933?0)	ANY
	IC.0511	50.18.0009		PAL 16 L 8 A-2 CN (1861934?0)	ANY
	IC.0602	50.06.0074		SN 74 LS 74 N	ANY
	IC.0603	50.21.0003		74 F 00	ANY
	IC.0604	50.21.0000		74 F 00	ANY
	IC.0605	50.21.0000		74 F 00	ANY
	IC.0606	50.06.0074		SN 74 LS 74 N	ANY
	IC.0607	50.18.0012		PAL 16 R 8 A-2 CN (1861935?0)	ANY
	IC.0608	50.06.0273		SN 74 LS 273 N	ANY
	IC.0609	50.06.0669		SN 74 LS 669 N	ANY
	IC.0610	50.06.0669		SN 74 LS 669 N	ANY
	IC.0611	50.06.0669		SN 74 LS 669 N	ANY
	IC.0702	50.18.0012		PAL 16 R 8 A-2 CN (1861936?0)	ANY
	IC.0703	50.18.0012		PAL 16 R 8 A-2 CN (1861937?0)	ANY
	IC.0704	50.18.0012		PAL 16 R 8 A-2 CN (1861938?0)	ANY
	IC.0705	50.18.0012		PAL 16 R 8 A-2 CN (1861939?0)	ANY
	IC.0706	50.21.0374		74 F 374	ANY
	IC.0709	50.06.0669		SN 74 LS 669 N	ANY
	IC.0710	50.06.0669		SN 74 LS 669 N	ANY
	IC.0711	50.21.0169		74 F 169	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	L..1001	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP.1001	21.01.0277		SCREW, CYLIN. HEAD, M2.5#4	ANY
	MP.1002	21.01.0277		SCREW, CYLIN. HEAD, M2.5#4	ANY
	MP.1003	21.01.0277		SCREW, CYLIN. HEAD, M2.5#4	ANY
	MP.1004	21.01.0277		SCREW, CYLIN. HEAD, M2.5#4	ANY
	MP.1005	21.01.0277		SCREW, CYLIN. HEAD, M2.5#4	ANY
	MP.1006	21.01.0277		SCREW, CYLIN. HEAD, M2.5#4	ANY
	MP.1007	21.11.2277		SCREW, COUNTERSUNK HEAD, M2.5#4	ANY
	MP.1008	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5#4	ANY
	MP.1009	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5#4	ANY
	MP.1010	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5#4	ANY
	MP.1011	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5#4	ANY
	MP.1012	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5#4	ANY
	MP.1013	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5#4	ANY
	MP.1014	21.01.2277		SCREW, COUNTERSUNK HEAD, M2.5#4	ANY
	MP.1015	24.16.1025		LOCK WASHER, M2.5	ANY
	MP.1016	24.16.1025		LOCK WASHER, M2.5	ANY
	MP.1017	24.16.1025		LOCK WASHER, M2.5	ANY
	MP.1018	24.16.1025		LOCK WASHER, M2.5	ANY
	MP.1019	24.16.1025		LOCK WASHER, M2.5	ANY
	MP.1020	24.16.1025		LOCK WASHER, M2.5	ANY
	MP.1021	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP.1022	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP.1023	28.21.1370		RIVETING NUT, 02.2595.5	ANY
	MP.1024	28.99.0119		RIVETING NUT, 02.2580.15?10	ANY
	MP.1025	28.99.0119		RIVETING NUT, 02.2580.15?10	ANY
	MP.1026	1.010.086.33		MARKING HANDLE	St
	MP.1027	1.010.086.33		MARKING HANDLE	St
	MP.1028	1.010.098.99		TRANSPARENT COVER	St
	MP.1029	1.180.402.02		STAND-OFF, M2.5#12.8	ANY
	MP.1030	1.180.402.02		STAND-OFF, M2.5#12.8	ANY
	MP.1031	1.180.402.02		STAND-OFF, M2.5#12.8	ANY
	MP.1032	1.180.402.02		STAND-OFF, M2.5#12.8	ANY
	MP.1033	1.861.750.01		METAL PLATE	St
	MP.1034	1.851.750.02		INSULATOR	St
	MP.1035	1.861.730.11		UNIVERSAL BOARD 243.84#147.32 WIRE WRAP	St

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

REMARKS:

ORIG 86/02/13

MANUFACTURERS:
St = STUDER / Lix = LITRONIX, HP = HEWLETT-PACKARD /
STC = STC COMPONENTS LTD. / SFE = SFE TECHNOLOGIES
AMD = ADVANCED MICRO DEVICES

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES /
XIC = IC SOCKET

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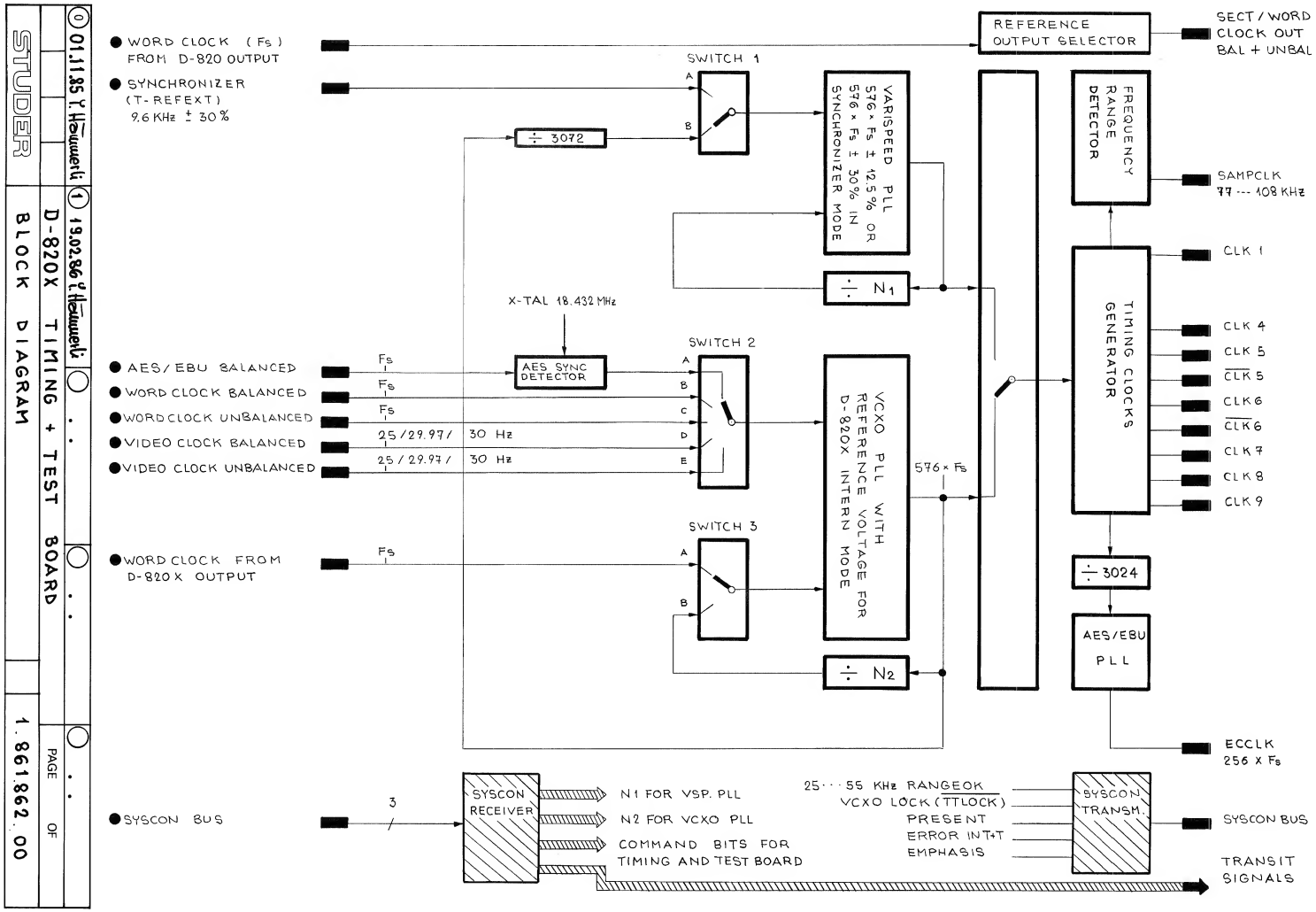

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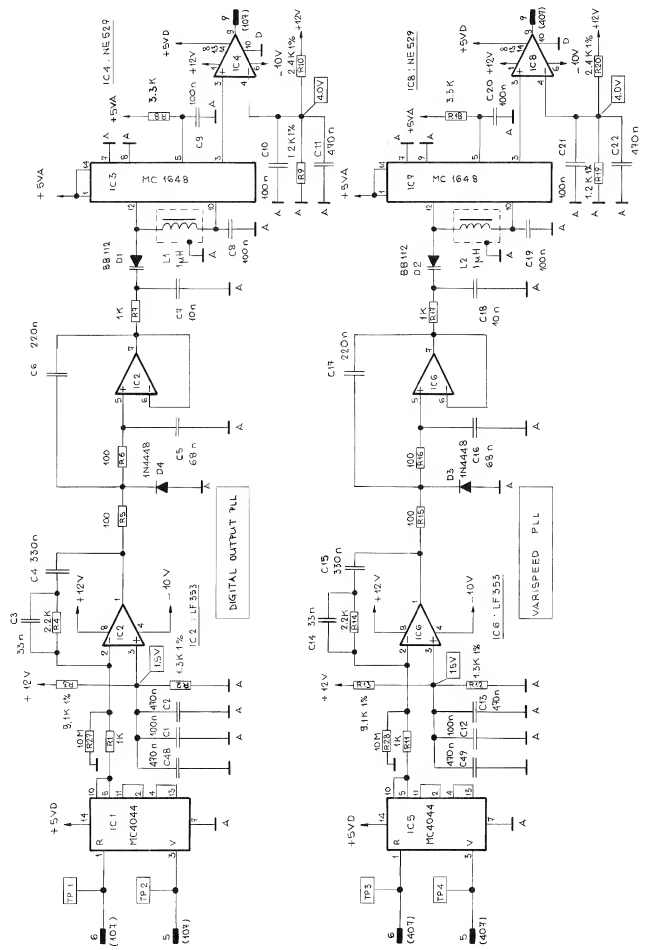

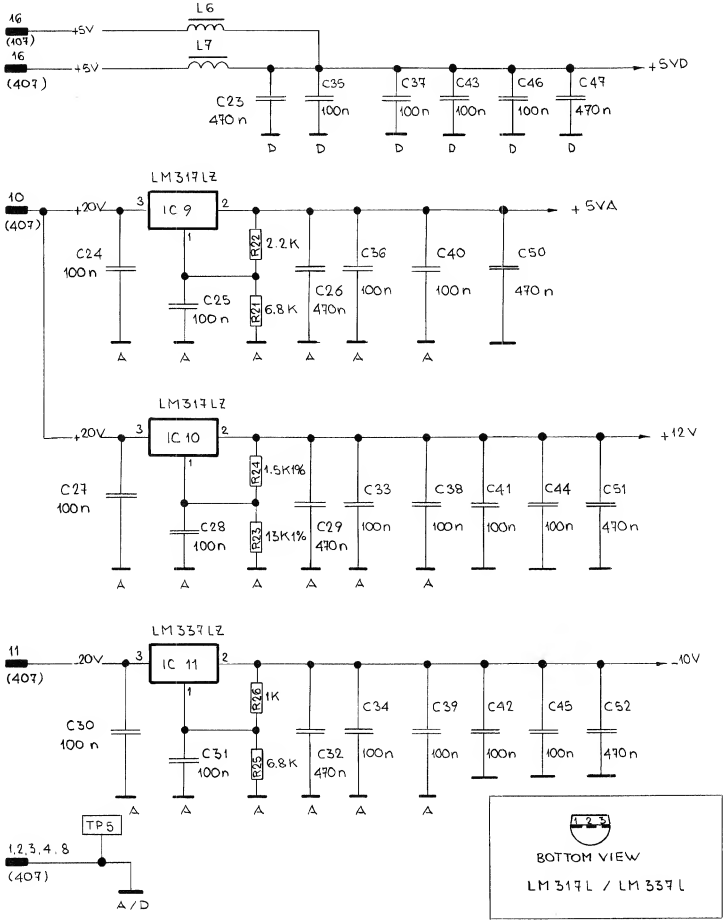

10.04.86 Hämmerli			
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14.04.86 Hämmerli			
	D820X		PAGE 2 OF 2
STUDER	DUAL PLL		1.861.725.00

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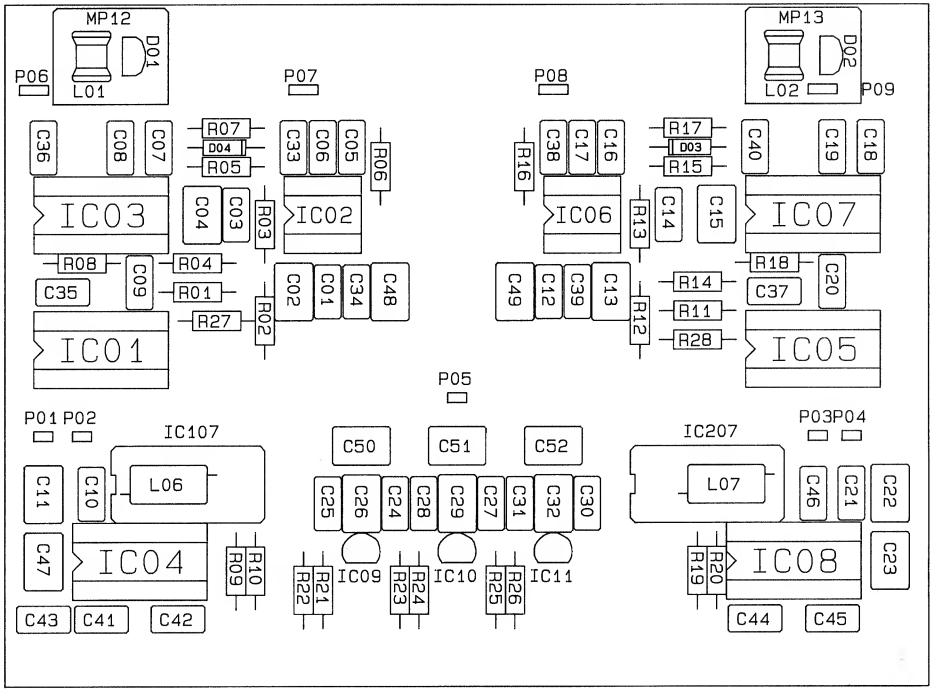

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C..0001	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0002	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0003	59.06.0333	33n	10% 63V ▪ FILM	ANY
	C..0004	59.06.0334	330n	10% 30V ▪ FILM	ANY
	C..0005	59.06.0683	68n	10% 30V ▪ FILM	ANY
	C..0006	59.06.0224	220n	10% 30V ▪ FILM	ANY
	C..0007	59.06.0103	10n	10% 30V ▪ FILM	ANY
	C..0008	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0009	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0010	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0011	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0012	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0013	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0014	59.06.0333	33n	10% 63V ▪ FILM	ANY
	C..0015	59.06.0334	330n	10% 30V ▪ FILM	ANY
	C..0016	59.06.0683	68n	10% 30V ▪ FILM	ANY
	C..0017	59.06.0224	220n	10% 30V ▪ FILM	ANY
	C..0018	59.06.0103	10n	10% 30V ▪ FILM	ANY
	C..0019	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0020	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0021	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0022	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0023	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0024	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0025	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0026	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0027	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0028	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0029	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0030	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0031	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0032	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0033	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0034	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0035	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0036	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0037	59.06.0104	100n	10% 30V ▪ FILM	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C..0038	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0039	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0040	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0041	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0042	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0043	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0044	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0045	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0046	59.06.0104	100n	10% 30V ▪ FILM	ANY
	C..0047	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0048	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0049	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0050	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0051	59.06.0474	470n	10% 30V ▪ FILM	ANY
	C..0052	59.06.0474	470n	10% 30V ▪ FILM	ANY
	D..0001	50.04.0139	BB 112	MVAM 109, MV 1404	Mot+Ph
	D..0002	50.04.0139	BB 112	MVAM 109, MV 1404	Mot+Ph
	D..0003	50.04.0125	IN 4448		ANY
	D..0004	50.04.0125	IN 4448		ANY
	IC.0001	50.05.0149	MC 4044		ANY
	IC.0002	50.09.0101	TL 072		ANY
	IC.0003	50.11.0112	MC 1648		ANY
	IC.0004	50.11.0115	NE 529 N		ANY
	IC.0005	50.05.0149	MC 4044		ANY
	IC.0006	50.09.0101	TL 072		ANY
	IC.0007	50.11.0112	MC 1648		ANY
	IC.0008	50.11.0115	NE 529 N		ANY
	IC.0009	50.10.0108	LM 317LZ		ANY
	IC.0010	50.10.0108	LM 317LZ		ANY
	IC.0011	50.10.0109	LM 337LZ		ANY
	L..0001	62.02.3109	1uHy	10% RAD.▪ RM 5	ANY
	L..0002	62.02.3109	1uHy	10% RAD.▪ RM 5	ANY
	L..0006	62.01.0115		WIDE-BAND HF CHOKE	Ph
	L..0007	62.01.0115		WIDE-BAND HF CHOKE	Ph

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP.0001	53.03.0191		ADAPTER PLUG Z88	ANY
	MP.0002	53.03.0191		ADAPTER PLUG Z88	ANY
	MP.0003	1.010.027.54		FRONT PIN (MOUNTING PURPOSES)	St
	MP.0004	1.010.027.54		FRONT PIN (MOUNTING PURPOSES)	St
	MP.0005	1.010.027.54		FRONT PIN (MOUNTING PURPOSES)	St
	MP.0006	1.010.027.54		FRONT PIN (MOUNTING PURPOSES)	St
	MP.0007	1.010.027.54		FRONT PIN (MOUNTING PURPOSES)	St
	MP.0008	1.010.027.54		FRONT PIN (MOUNTING PURPOSES)	St
	MP.0009	1.010.027.54		FRONT PIN (MOUNTING PURPOSES)	St
	MP.0010	1.010.027.54		FRONT PIN (MOUNTING PURPOSES)	St
	MP.0011	1.861.725.11		PCB	St
	MP.0012	1.861.725.03		SCREENING COVER, ANGELED	St
	MP.0013	1.861.725.03		SCREENING COVER, ANGELED	St
	MP.0014	1.861.725.02		SCREENING COVER,LARGE	St
	MP.0015	1.861.725.02		SCREENING COVER,LARGE	St
	MP.0016	1.861.725.01		LABEL WITH BOARD NUMBER	St
	MP.0017	43.01.0108		LABEL "ESE"	ANY
	R..0001	57.11.4102	1 k	2%	ANY
	R..0002	57.11.3132	1.3 k	1%	ANY
	R..0003	57.11.3912	9.1 k	1%	ANY
	R..0004	57.11.4222	2.2 k	2%	ANY
	R..0005	57.11.4101	100	2%	ANY
	R..0006	57.11.4101	100	2%	ANY
	R..0007	57.11.4102	1 k	2%	ANY
	R..0008	57.11.4332	3.3 k	2%	ANY
	R..0009	57.11.3122	1.2 k	1%	ANY
	R..0010	57.11.3242	2.4 k	1%	ANY
	R..0011	57.11.4102	1 k	2%	ANY
	R..0012	57.11.3132	1.3 k	1%	ANY
	R..0013	57.11.3912	9.1 k	1%	ANY
	R..0014	57.11.4122	1.2 k	2%	ANY
	R..0015	57.11.4101	100	2%	ANY
	R..0016	57.11.4101	100	2%	ANY
	R..0017	57.11.4102	1 k	2%	ANY
	R..0018	57.11.4332	3.3 k	2%	ANY
	R..0019	57.11.3122	1.2 k	1%	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R..0020	57.11.3242	2.4 k	1%	ANY
	R..0021	57.11.4682	6.8 k	2%	ANY
	R..0022	57.11.4222	2.2 k	2%	ANY
	R..0023	57.11.3133	13 k	1%	ANY
	R..0024	57.11.3152	1.5 k	1%	ANY
	R..0025	57.11.4682	6.8 k	2%	ANY
	R..0026	57.11.4102	1 k	2%	ANY
	R..0027	57.11.5106	10 M	5%	ANY
	R..0028	57.11.5106	10 M	5%	ANY
	TP.0001	54.02.0320			ANY
	TP.0002	54.02.0320			ANY
	TP.0003	54.02.0320			ANY
	TP.0004	54.02.0320			ANY
	TP.0005	54.02.0320			ANY
	XIC0001	53.03.0166		XIC DIL 8-POL	ANY
	XIC0002	53.03.0166		XIC DIL 8-POL	ANY
	XIC0003	53.03.0167		XIC DIL 14-POL	ANY
	XIC0004	53.03.0167		XIC DIL 14-POL	ANY
	XIC0005	53.03.0167		XIC DIL 14-POL	ANY
	XIC0006	53.03.0167		XIC DIL 14-POL	ANY
	XIC0007	53.03.0167		XIC DIL 14-POL	ANY
	XIC0008	53.03.0167		XIC DIL 14-POL	ANY

REMARKS: MOD 01:

MANUFACTURERS:
St = STUDER / Mot = MOTOROLA / Ph = PHILIPS

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES /
XIC = IC SOCKET

ORIG 86/08/14

PUBLISHED: 11/86

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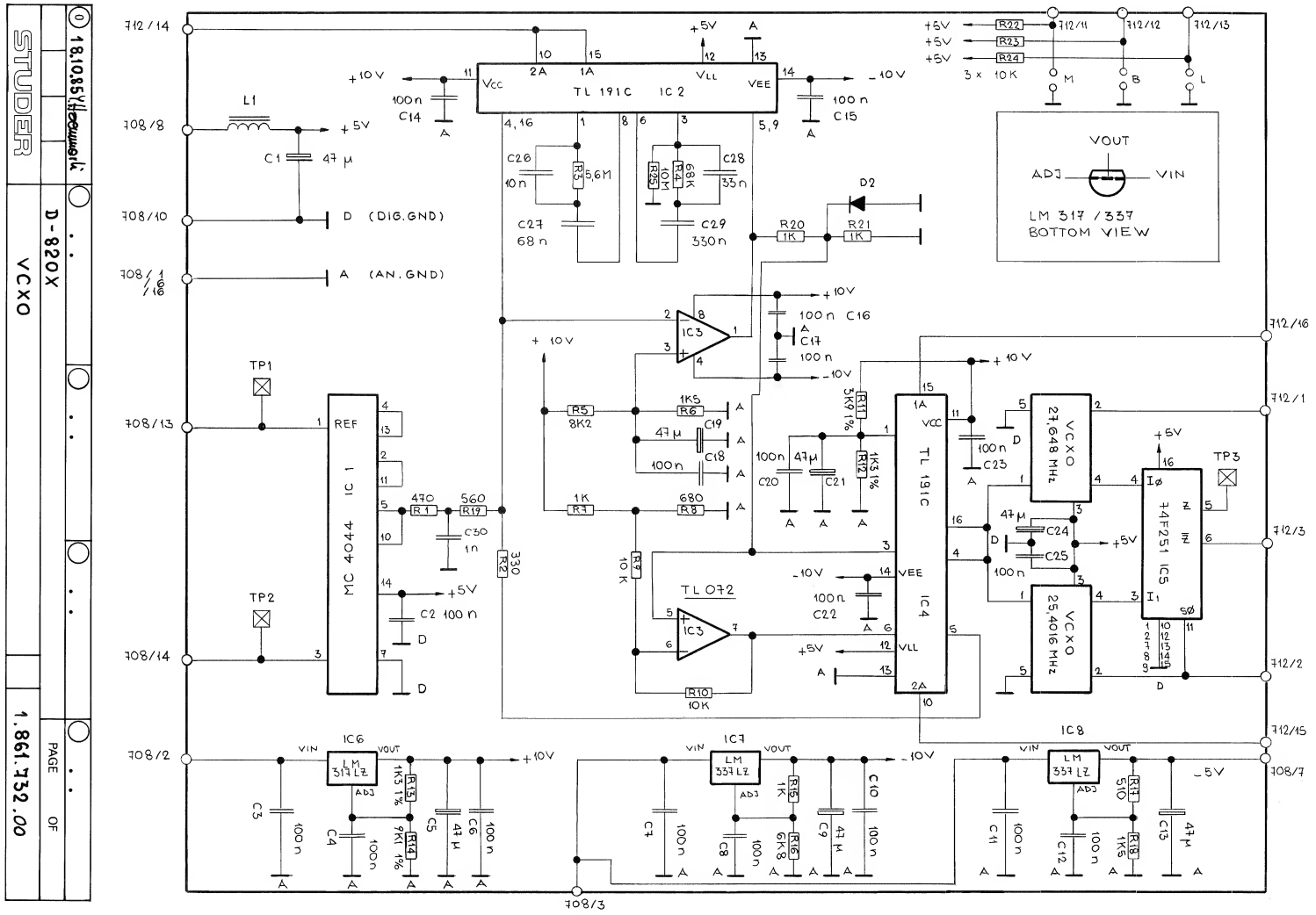

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D-820X			
VCXO			
1.861.732.00	PAGE	OF	

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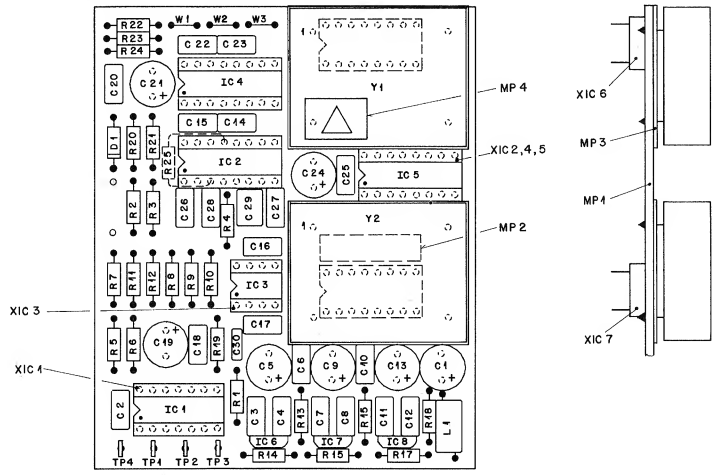

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.22.5470	47u	20% 25V EL	ANY
	C.....2	59.06.0104	100n	10% 63V PETP	ANY
	C.....3	59.06.0104	100n	10% 63V PETP	ANY
	C.....4	59.06.0104	100n	10% 63V PETP	ANY
	C.....5	59.22.5470	47u	20% 25V EL	ANY
	C.....6	59.06.0104	100n	10% 63V PETP	ANY
	C.....7	59.06.0104	100n	10% 63V PETP	ANY
	C.....8	59.06.0104	100n	10% 63V PETP	ANY
	C.....9	59.22.5670	47u	20% 25V EL	ANY
	C.....10	59.06.0104	100n	10% 63V PETP	ANY
	C.....11	59.06.0104	100n	10% 63V PETP	ANY
	C.....12	59.06.0104	100n	10% 63V PETP	ANY
	C.....13	59.22.5470	47u	20% 25V EL	ANY
	C.....14	59.06.0104	100n	10% 63V PETP	ANY
	C.....15	59.06.0104	100n	10% 63V PETP	ANY
	C.....16	59.06.0104	100n	10% 63V PETP	ANY
	C.....17	59.06.0104	100n	10% 63V PETP	ANY
	C.....18	59.06.0104	100n	10% 63V PETP	ANY
	C.....19	59.22.5470	47u	20% 25V EL	ANY
	C.....20	59.06.0104	100n	10% 63V PETP	ANY
	C.....21	59.22.5470	47u	20% 25V EL	ANY
	C.....22	59.06.0104	100n	10% 63V PETP	ANY
	C.....23	59.06.0104	100n	10% 63V PETP	ANY
	C.....24	59.22.5470	47u	20% 25V EL	ANY
	C.....25	59.06.0104	100n	10% 63V PETP	ANY
	C.....26	59.06.0103	10n	10% 63V PETP	ANY
	C.....27	59.06.0683	68n	10% 63V PETP	ANY
	C.....28	59.06.0333	33n	10% 63V PETP	ANY
	C.....29	59.06.0334	330n	10% 63V PETP	ANY
	C.....30	59.32.4102	LN	20% 63V CER	ANY
	D.....1	50.04.0125	LN4448	DIODE	Ph
	IC....1	50.05.0149		MC 4044 L	ANY
	IC....2	50.11.0120		TL 191 CN	ANY
	IC....3	50.09.0101		TL 072 CP	ANY
	IC....4	50.11.0120		TL 191 CN	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....5	50.21.0291		74 F 291	ANY
	IC....6	50.10.0109		LM 317 LZ	ANY
	IC....7	50.10.0109		LM 317 LZ	ANY
	IC....8	50.10.0109		LM 337 LZ	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	ANY
	MP....1	1.861.732.12		PCB	St
	MP....2	1.861.732.01		LABEL WITH BOARD NUMBER	St
	MP....3	1.861.732.02		INSULATOR (BELOW VCXO ASSYS)	St
	MP....4	43.01.0108		LABEL "ESK"	ANY
	MP....5	53.03.0191		SOCKET CONNECTOR 16-PIN	ANY
	MP....6	53.03.0191		SOCKET CONNECTOR 16-PIN	ANY
	R.....1	57.11.4471	470	2%	ANY
	R.....2	57.11.4331	330	2%	ANY
	R.....3	57.11.5565	5.6M	5%	ANY
	R.....4	57.11.4683	68k	2%	ANY
	R.....5	57.11.4827	8.2k	2%	ANY
	R.....6	57.11.4152	1.5k	2%	ANY
	R.....7	57.11.4102	1k	2%	ANY
	R.....8	57.11.4681	680	2%	ANY
	R.....9	57.11.4103	10k	2%	ANY
	R.....10	57.11.4103	10k	2%	ANY
	R.....11	57.11.3392	3.9k	1%	ANY
	R.....12	57.11.3132	1.3k	1%	ANY
	R.....13	57.11.3132	1.3k	1%	ANY
	R.....14	57.11.3912	9.1k	1%	ANY
	R.....15	57.11.4102	1k	2%	ANY
	R.....16	57.11.4682	6.8k	2%	ANY
	R.....17	57.11.3911	910	2%	ANY
	R.....18	57.11.4152	1.5k	2%	ANY
	R.....19	57.11.4561	560	2%	ANY
	R.....20	57.11.4102	1k	2%	ANY
	R.....21	57.11.4102	1k	2%	ANY
	R.....22	57.11.4103	10k	2%	ANY
	R.....23	57.11.4103	10k	2%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R.....24	57.11.4103	10k	2%	ANY
	R.....25	57.11.5106	10M	2%	ANY
	TP....1	29.21.6002		TEST-POINT	ANY
	TP....2	29.21.6002		TEST-POINT	ANY
	TP....3	29.21.6002		TEST-POINT	ANY
	TP....4	29.21.6002		TEST-POINT	ANY
	W.....1	1.010.321.64		JUMPER-WIRE	ANY
	W.....2	1.010.321.64		JUMPER-WIRE	ANY
	W.....3	1.010.321.64		JUMPER-WIRE	ANY
	XIC...1	53.03.0167		XIC DIL 14-PIN	ANY
	XIC...2	53.03.0168		XIC DIL 15-PIN	ANY
	XIC...3	53.03.0166		XIC DIL 8-PIN	ANY
	XIC...4	53.03.0168		XIC DIL 16-PIN	ANY
	XIC...5	53.03.0168		XIC DIL 16-PIN	ANY
	Y.....1	89.01.0557		VCXO 27.648 MHZ, SIL 7 PIN	DF
	Y.....2	89.01.0556		VCXO 25.4016 MHZ, SIL 7 PIN	DF

REMARKS:

MANUFACTURERS:
St = STUDER

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / KF = CLAMP FOR FUSES /
XIC = IC SOCKET / DF = DRYAN FERRAMIL

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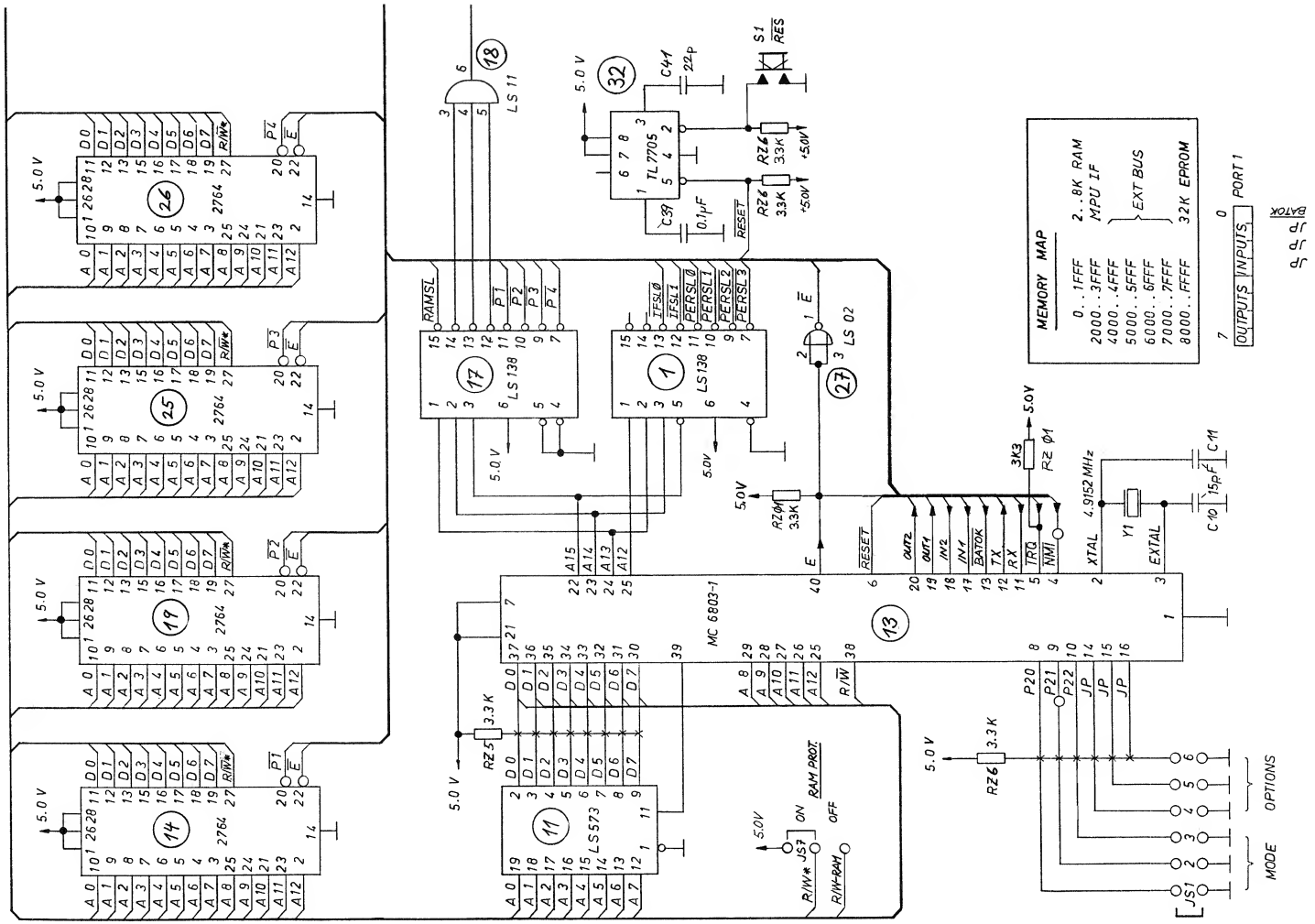

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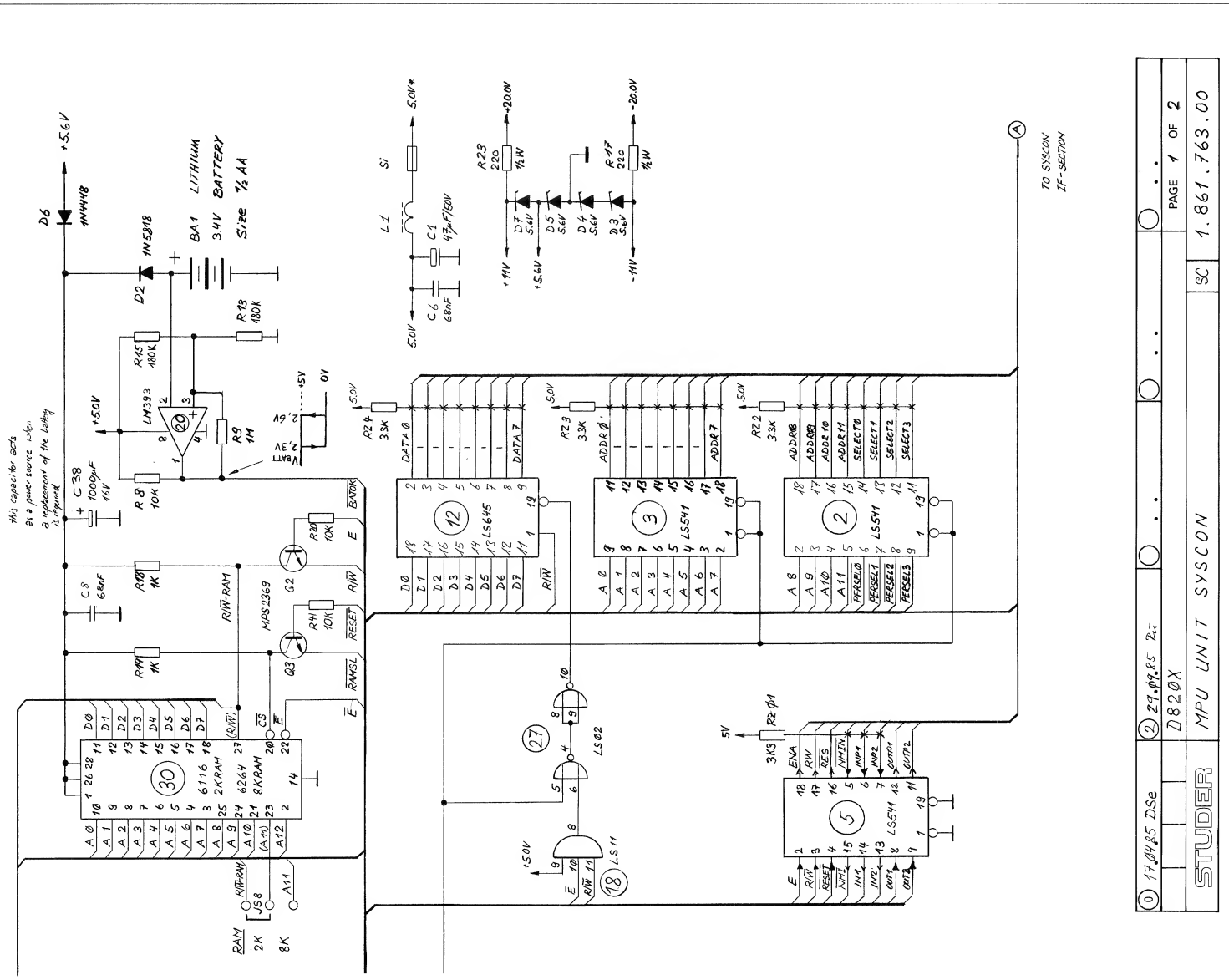

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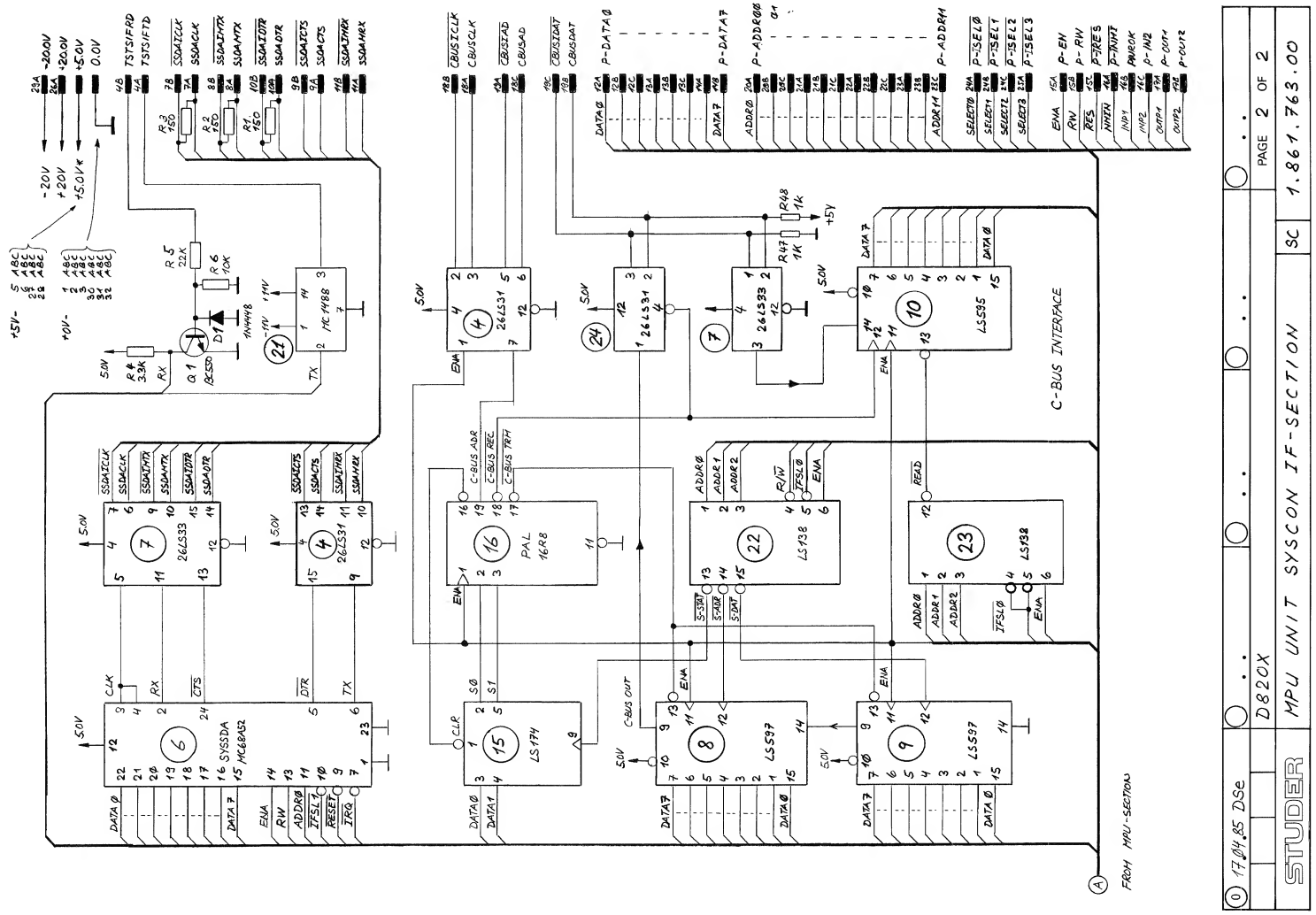

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INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	8A...1	89.01.0275		LITH. 3.6V, 14.7*25.5 SONNENSCHEIN	ANY
	C.....1	59.22.5470	47u	20%, 25V, ELECTROLYTIC	ANY
	C.....2	59.99.0205	68n	50%, 10V, CER	ANY
	C.....3	59.99.0205	68n	50%, 10V, CER	ANY
	C.....4	59.99.0205	68n	20%, 63V, CER	ANY
	C.....5	59.99.0205	68n	20%, 63V, CER	ANY
	C.....6	59.99.0205	68n	50%, 10V, CER	ANY
	C.....7	59.99.0205	68n	50%, 10V, CER	ANY
	C.....8	59.99.0205	68n	50%, 10V, CER	ANY
	C.....9	59.99.0205	68n	20%, 63V, CER	ANY
	C.....10	59.34.1150	15p	50%, 63V, CER	ANY
	C.....11	59.34.1150	15p	50%, 63V, CER	ANY
	C.....12	59.99.0205	68n	50%, 10V, CER	ANY
	C.....13	59.99.0205	68n	50%, 10V, CER	ANY
	C.....14	59.99.0205	68n	50%, 10V, CER	ANY
	C.....15	59.99.0205	68n	50%, 10V, CER	ANY
	C.....16	59.99.0205	68n	50%, 10V, CER	ANY
	C.....17	59.99.0205	68n	50%, 10V, CER	ANY
	C.....18	59.99.0205	68n	50%, 10V, CER	ANY
	C.....19	59.99.0205	68n	50%, 10V, CER	ANY
	C.....20	59.99.0205	68n	50%, 10V, CER	ANY
	C.....21	59.99.0205	68n	50%, 10V, CER	ANY
	C.....22	59.99.0205	68n	50%, 10V, CER	ANY
	C.....23	59.99.0205	68n	50%, 10V, CER	ANY
	C.....24	59.22.5470	47u	50%, 25V, ELECTROLYTIC	ANY
	C.....25	59.99.0205	68n	50%, 10V, CER	ANY
	C.....26	59.99.0205	68n	50%, 10V, CER	ANY
	C.....27	59.99.0205	68n	50%, 10V, CER	ANY
	C.....28	59.99.0205	68n	50%, 10V, CER	ANY
	C.....29	59.99.0205	68n	50%, 10V, CER	ANY
	C.....30	59.99.0205	68n	50%, 10V, CER	ANY
	C.....31	59.99.0205	68n	50%, 10V, CER	ANY
	C.....32	59.99.0205	68n	50%, 10V, CER	ANY
	C.....33	59.99.0205	68n	50%, 10V, CER	ANY
	C.....34	59.99.0205	68n	50%, 10V, CER	ANY
	C.....35	59.99.0205	68n	50%, 10V, CER	ANY

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INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....36	59.99.0205	68n	50%, 10V, CER	ANY
	C.....37	59.99.0205	68n	50%, 10V, CER	ANY
	C.....38	59.25.3102	1000u	50%, 16V, ELECTROLYTIC	ANY
	C.....39	59.06.0104	100n	50%, 10V, CER	ANY
	C.....40	59.99.0205	68n	50%, 10V, CER	ANY
	C.....41	59.34.2220	22p	10%, 63V, CER	ANY
	C.....42	59.34.4101	100p	5%, 63V, CER	ANY
	C.....43	59.34.4101	100p	5%, 63V, CER	ANY
	C.....44	59.06.0104	100n	10%, 63V, PETP	ANY
	C.....45	59.34.4101	100p	5%, 63V, CER	ANY
	C.....46	59.34.4101	100p	5%, 63V, CER	ANY
	D.....1	50.04.0125		1N 4448	ANY
	D.....2	50.04.0512		1N 5818	ANY
	D.....3	50.04.1108		ZD 5V6	ANY
	D.....4	50.04.1108		ZD 5V6	ANY
	D.....5	50.04.1108		ZD 5V6	ANY
	D.....6	50.04.0125		1N 4448	ANY
	D.....7	50.04.1108		ZD 5V6	ANY
	DL....1	50.04.2162	CQV 15-5	LED GREEN, DIFFUSE	ANY
	DL....2	50.04.2162	CQV 15-5	LED GREEN, DIFFUSE	ANY
	DL....3	50.04.2162	CQV 15-5	LED GREEN, DIFFUSE	ANY
	DL....4	50.04.2162	CQV 15-5	LED GREEN, DIFFUSE	ANY
	DL....5	50.04.2162	CQV 15-5	LED GREEN, DIFFUSE	ANY
	F.....1	51.01.0122		FUSE, 3.15AT/250V, 5*20mm	ANY
	IC....1	50.06.0138		SN 74 LS 138	ANY
	IC....2	50.06.0541		SN 74 LS 541 N	ANY
	IC....3	50.06.0541		SN 74 LS 541 N	ANY
	IC....4	50.15.0108		AM26 LS 31 PC+AM26 LS31 CN	ANY
	IC....5	50.06.0541		SN 74 LS 541 N	ANY
	IC....6	50.16.0114		MC 68 A 52 P	ANY
	IC....7	50.15.0109		AM26 LS33 PC+D526 LS33 CN	ANY
	IC....8	50.17.1597		SN 74 LS 597	ANY
	IC....9	50.17.1597		SN 74 LS 597	ANY

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INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....10	50.06.0595		SN 74 LS 595 N	ANY
	IC....11	50.06.1573		SN 74 LS 573	ANY
	IC....12	50.06.0645		SN 74 LS 645	ANY
	IC....13	50.16.0107		MC 6803 P-1	ANY
	IC....14	50.14.0113		2764 (186194220)	ANY
	IC....15	50.06.0174		SN 74 LS 174 N	ANY
	IC....16	50.18.0012		PAL 16 R 8 A-2 CN (186194120)	ANY
	IC....17	50.06.0138		SN 74 LS 138	ANY
	IC....18	50.06.0011		SN 74 LS 11 N	ANY
	IC....19	50.14.0113		2764 (186194220)	ANY
	IC....20	50.05.0283		LM 393 N	ANY
	IC....21	50.15.0106		MC 1488	ANY
	IC....22	50.06.0138		SN 74 LS 138	ANY
	IC....23	50.06.0138		SN 74 LS 138	ANY
	IC....24	50.15.0108		AM26 LS 31 PC+AM26 LS31 CN	ANY
	IC....25	50.14.0113		2764 (186194220)	ANY
	IC....26	50.14.0113		2764 (186194220)	ANY
	IC....27	50.06.0002		SN 74 LS 02 N	ANY
	IC....28	50.10.0108		LM 317 LZ	ANY
	IC....29	50.10.0108		LM 317 LZ	ANY
	IC....30	50.14.0107		HM 6116 LP-3	ANY
	IC....31	50.07.0902		MM74 C 902 N	ANY
	IC....32	50.11.0122		TL 7709 ACP	ANY
	IC....33	50.05.0283		LM 393 N	ANY
	IC....34	50.05.0283		LM 393 N	ANY
	J.....1	54.01.0021		JUMPER 2 *.63	ANY
	J.....2	54.01.0021		JUMPER 2 *.63	ANY
	J.....3	54.01.0021		JUMPER 2 *.63	ANY
	J.....4	54.01.0021		JUMPER 2 *.63	ANY
	J.....5	54.01.0021		JUMPER 2 *.63	ANY
	J.....6	54.01.0021		JUMPER 2 *.63	ANY
	J.....7	54.01.0021		JUMPER 2 *.63	ANY
	J.....8	54.01.0021		JUMPER 2 *.63	ANY
	L.....1	62.01.0115		W10E-BAND HF-CHOKE Ph	

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INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....1	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....2	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....3	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....4	21.01.0277	1 PCS	SCREW, CYLIN. HEAD, M2.5*4	ANY
	MP....5	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....6	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....7	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....8	21.01.2277	1 PCS	SCREW, COUNTERSUNK HEAD, M2.5*4	ANY
	MP....9	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP....10	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP....11	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP....12	24.16.1025	1 PCS	LOCK WASHER, M2.5	ANY
	MP....13	28.21.1370	1 PCS	RIVETING NUT, D2.2*95.5	ANY
	MP....14	28.21.1370	1 PCS	RIVETING NUT, D2.2*95.5	ANY
	MP....15	28.21.1370	1 PCS	RIVETING NUT, D2.2*95.5	ANY
	MP....16	28.99.0119	1 PCS	RIVETING NUT, D2.5*90.15*10	ANY
	MP....17	28.99.0119	1 PCS	RIVETING NUT, D2.5*90.15*10	ANY
	MP....18	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP....19	1.010.006.33	1 PCS	MARKING HANDLE	ANY
	MP....20	1.010.096.49	1 PCS	TRANSPARENT COVER	ANY
	MP....21	1.861.750.03	1 PCS	STAND-OFF, M2.5*5.2	SE
	MP....22	1.861.750.03	1 PCS	STAND-OFF, M2.5*5.2	SE
	MP....23	1.861.750.03	1 PCS	STAND-OFF, M2.5*5.2	SE
	MP....24	1.861.750.03	1 PCS	STAND-OFF, M2.5*5.2	SE
	MP....25	1.861.750.01	1 PCS	METAL PLATE	ANY
	MP....26	1.861.750.02	1 PCS	INSULATOR	ANY
	MP....27	1.861.763.11	1 PCS	PCB	SE
	MP....28	1.861.763.01	1 PCS	NAME PLATE, 0.3591	ANY
	MP....29	35.03.0109	1 PCS	TIE-RAP, 2.5*92mm	ANY
	MP....30	43.01.0108	1 PCS	LABEL "ESE"	ANY
	MP....31	1.101.001.20	1 PCS	LABEL "RELEASE VERSION -20"	SE
	MP....32	1.010.120.51	1 PCS	LABEL "FUSE 3.15A"	SE
	MP....33		1 PCS	SEE REMARKS (END OF LIST)	
	MP....34	1.010.012.50	1 PCS	CLAMP FOR DIODES	SE
	MP....35	1.010.012.50	1 PCS	CLAMP FOR DIODES	SE
	MP....36	1.010.012.50	1 PCS	CLAMP FOR DIODES	SE
	MP....37	1.010.012.50	1 PCS	CLAMP FOR DIODES	SE

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INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP...38	1.010.012.50	1 PCS	CLAMP FOR 0100ES	St
	P....1	54.01.0358		CARD CONNECTOR, 3432 EURO SOLDERING	ANY
	P....2	54.01.0020		JUMPER PIN	ANY
	P....3	54.01.0020		JUMPER PIN	ANY
	P....4	54.01.0020		JUMPER PIN	ANY
	P....5	54.01.0020		JUMPER PIN	ANY
	P....6	54.01.0020		JUMPER PIN	ANY
	P....7	54.01.0020		JUMPER PIN	ANY
	P....8	54.01.0020		JUMPER PIN	ANY
	P....9	54.01.0020		JUMPER PIN	ANY
	P....10	54.01.0020		JUMPER PIN	ANY
	P....11	54.01.0020		JUMPER PIN	ANY
	P....12	54.01.0020		JUMPER PIN	ANY
	P....13	54.01.0020		JUMPER PIN	ANY
	P....14	54.01.0020		JUMPER PIN	ANY
	P....15	54.01.0020		JUMPER PIN	ANY
	P....16	54.01.0020		JUMPER PIN	ANY
	P....17	54.01.0020		JUMPER PIN	ANY
	P....18	54.01.0020		JUMPER PIN	ANY
	P....19	54.01.0020		JUMPER PIN	ANY
	Q....1	50.03.0497		BC 550	ANY
	Q....2	50.03.0508		MPS 2369	ANY
	Q....3	50.03.0508		MPS 2369	ANY
	R....1	57.11.4151	150	2%	ANY
	R....2	57.11.4151	150	2%	ANY
	R....3	57.11.4151	150	2%	ANY
	R....4	57.11.4332	3.3k	2%	ANY
	R....5	57.11.4223	22k	2%	ANY
	R....6	57.11.4103	10k	2%	ANY
	R....8	57.11.4103	10k	2%	ANY
	R....9	57.11.4105	1M	2%	ANY
	R....10	57.11.4184	180k	2%	ANY
	R....11	57.11.4560	56	2%	ANY
	R....12	57.11.4184	180k	2%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....14	58.01.8201	200	10%, 0.5 W, PMG	ANY
	R....16	57.11.4221	220	2%	ANY
	R....17	57.13.4221	220	2%, 0.5W	ANY
	R....18	57.11.4102	1k	2%	ANY
	R....19	57.11.4102	1k	2%	ANY
	R....20	57.11.4103	10k	2%	ANY
	R....21	57.11.4121	120	2%	ANY
	R....22	57.11.4391	390	2%	ANY
	R....23	57.13.4221	220	2%, 0.5W	ANY
	R....24	57.11.4393	39k	2%	ANY
	R....26	57.11.4472	4.7k	2%	ANY
	R....27	57.11.4184	180k	2%	ANY
	R....28	57.11.4472	4.7k	2%	ANY
	R....29	57.11.4184	180k	2%	ANY
	R....30	57.11.4393	39k	2%	ANY
	R....32	57.11.3242	2.4k	2%	ANY
	R....34	57.11.4153	15k	2%	ANY
	R....35	57.11.4472	4.7k	2%	ANY
	R....36	57.11.4184	180k	2%	ANY
	R....37	57.11.4682	6.8k	2%	ANY
	R....39	57.11.4472	4.7k	2%	ANY
	R....40	57.11.4184	180k	2%	ANY
	R....41	57.11.4103	10k	2%	ANY
	R....42	57.11.4471	470	2%	ANY
	R....43	57.11.4471	470	2%	ANY
	R....44	57.11.4471	470	2%	ANY
	R....45	57.11.4471	470	2%	ANY
	R....46	57.11.4471	470	2%	ANY
	R....47	57.11.4102	1k	2%	ANY
	R....48	57.11.4102	1k	2%	ANY
	RZ....1	57.88.4332	893.3k	SIL 9	ANY
	RZ....2	57.88.4332	893.3k	SIL 9	ANY
	RZ....3	57.88.4332	893.3k	SIL 9	ANY
	RZ....4	57.88.4332	893.3k	SIL 9	ANY
	RZ....5	57.88.4332	893.3k	SIL 9	ANY
	RZ....6	57.88.4332	893.3k	SIL 9	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	RZ....7	57.88.4332	893.3k	SIL 9	ANY
	S....1	55.15.0028		PUSH-BUTTON, SPST	ANY
	TP....1	54.02.0320		TEST-POINT	ANY
	TP....2	54.02.0320		TEST-POINT	ANY
	TP....3	54.02.0320		TEST-POINT	ANY
	TP....4	54.02.0320		TEST-POINT	ANY
	TP....5	54.02.0320		TEST-POINT	ANY
	TP....6	54.02.0320		TEST-POINT	ANY
	TP....7	54.02.0320		TEST-POINT	ANY
	TP....8	54.02.0320		TEST-POINT	ANY
	TP....9	54.02.0320		TEST-POINT	ANY
	XF....1	53.03.0142		CLAMP, 5020	ANY
	XF....2	53.03.0142		CLAMP, 5020	ANY
	XIC...1	53.03.0165		XIC O1L 20-PIN	ANY
	XIC...2	53.03.0165		XIC O1L 20-PIN	ANY
	XIC...3	53.03.0165		XIC O1L 20-PIN	ANY
	XIC...4	53.03.0166		XIC O1L 8-PIN	ANY
	XIC...5	53.03.0167		XIC O1L 14-PIN	ANY
	XIC...6	53.03.0168		XIC O1L 16-PIN	ANY
	XIC...7	53.03.0169		XIC O1L 24-PIN	ANY
	XIC...8	53.03.0172		XIC O1L 40-PIN	ANY
	XIC...9	53.03.0173		XIC O1L 28-PIN	ANY
	XIC...10	53.03.0166		XIC O1L 8-PIN	ANY
	XIC...11	53.03.0166		XIC O1L 8-PIN	ANY
	XIC...12	53.03.0167		XIC O1L 14-PIN	ANY
	XIC...13	53.03.0166		XIC O1L 8-PIN	ANY
	XIC...14	53.03.0168		XIC O1L 16-PIN	ANY
	XIC...15	53.03.0173		XIC O1L 28-PIN	ANY
	XIC...16	53.03.0167		XIC O1L 14-PIN	ANY
	XIC...17	53.03.0167		XIC O1L 14-PIN	ANY
	XIC...18	53.03.0168		XIC O1L 16-PIN	ANY
	XIC...19	53.03.0173		XIC O1L 28-PIN	ANY
	XIC...20	53.03.0168		XIC O1L 16-PIN	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC...21	53.03.0173		XIC DIL 28-PIN	ANY
	XIC...22	53.03.0168		XIC O1L 16-PIN	ANY
	XIC...23	53.03.0173		XIC O1L 28-PIN	ANY
	XIC...24	53.03.0168		XIC O1L 16-PIN	ANY
	XIC...25	53.03.0168		XIC O1L 16-PIN	ANY
	XIC...26	53.03.0168		XIC O1L 16-PIN	ANY
	XIC...27	53.03.0168		XIC O1L 16-PIN	ANY
	XIC...28	53.03.0168		XIC DIL 16-PIN	ANY
	XIC...29	53.03.0168		XIC DIL 16-PIN	ANY
	XIC...30	53.03.0165		XIC O1L 20-POL	ANY
	XIC...31	53.03.0165		XIC DIL 20-POL	ANY
	XIC...32	53.03.0165		XIC O1L 20-POL	ANY
	Y.....1	89.01.0553		X-TAL, 4.9152 MHZ	ANY

REMARKS: MP33: INSERT APPROPRIATE LABEL:
1.101.002.01 FOR FIRST QUARTER OF YEAR
1.101.002.02 FOR SECOND QUARTER OF YEAR
1.101.002.03 FOR THIRD QUARTER OF YEAR
1.101.002.04 FOR FORTH QUARTER OF YEAR
THE NUMBER CORRESPONDS WITH THE INSERTION DATE.

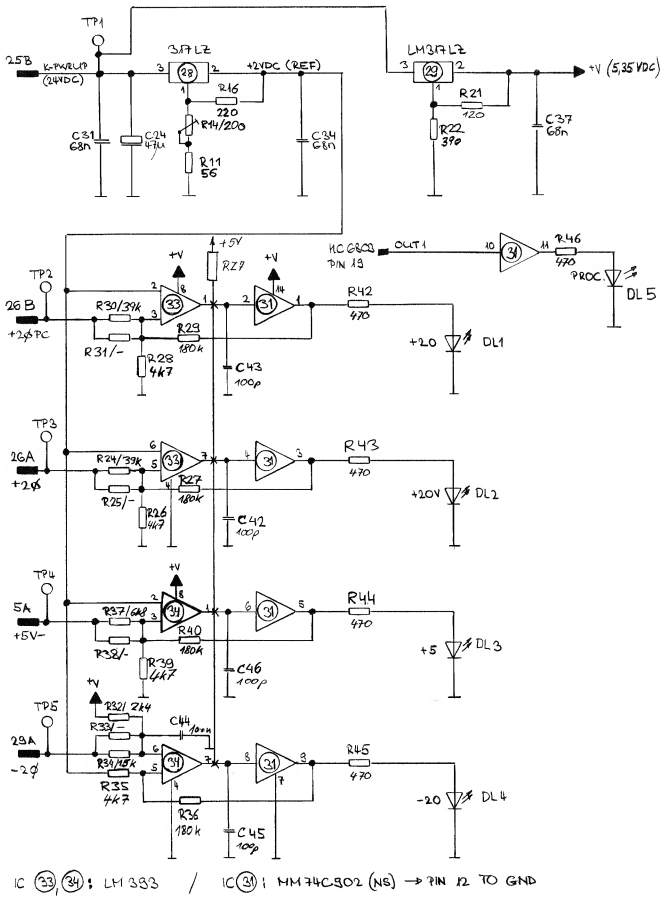
MANUFACTURERS:
St = STUDER

ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES /
XIC = IC SOCKET

ORIG 86/10/17

PUBLISHED: 1/87

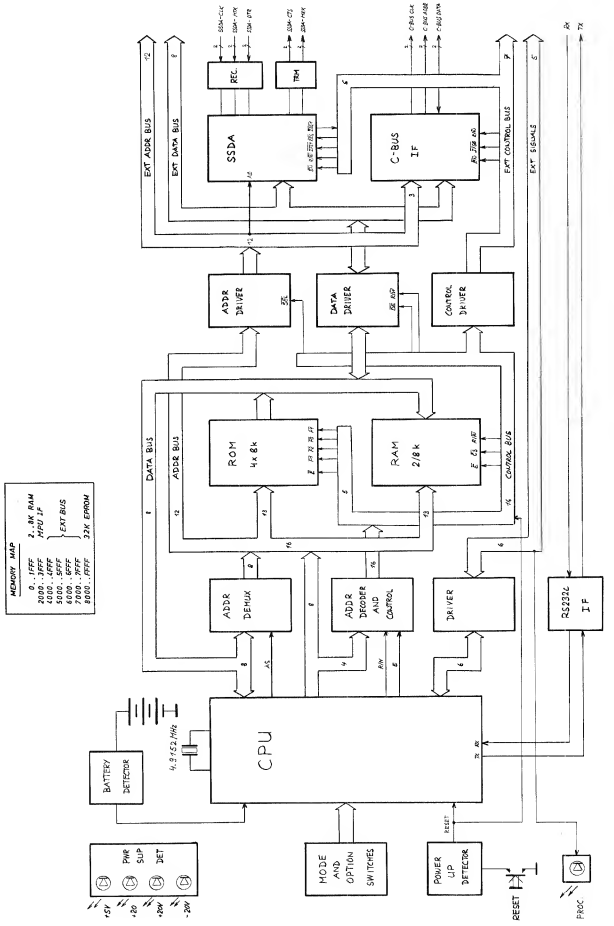
MPU UNIT SYSCON 1.861.763.00 PAGE 6



⓪ 25.06.85 Rn	◯ 01.10.85	◯ 31.01.86 RZ	◯ ..	◯ ..
	D820X			PAGE 2 OF 2
STUDER	SYSTEM CONTROLLER			1.861.763.00

PUBLISHED: 11/86

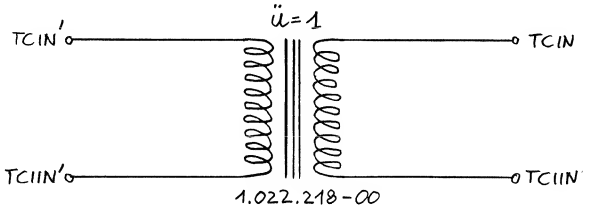
MPU UNIT SYSCON 1.861.763.00 PAGE 7 (LAST)

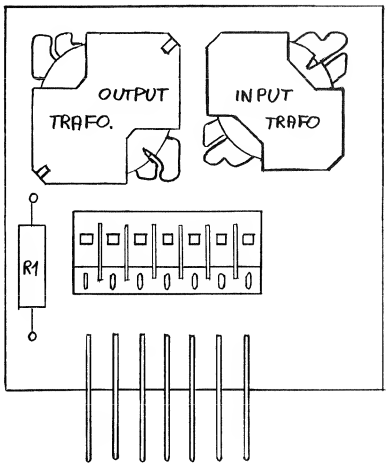


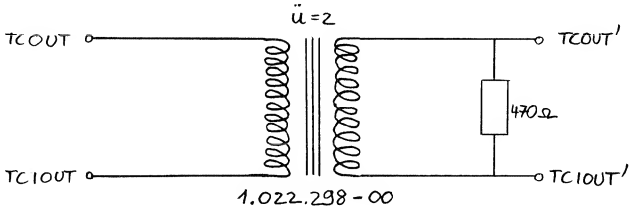
⓪ 25.09.85 DSe	◯ ..	◯ ..	◯ ..	◯ ..
	D820X			PAGE 1 OF 1
STUDER	SYSCON BLOCK DIAGRAM			1.861.763.00

PUBLISHED: 11/86

TC TRANSFORMER 1.861.772.00 PAGE 1







0 240486 O.C.				
	D820X			PAGE 1 OF 1
STUDER	TC TRANSFORMER		SC	1.861.772.00

PUBLISHED: 09/86

TC TRANSFORMER 1.861.772.00 PAGE 2 (LAST)

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	J..0001	54.01.0218		CONNECTOR CIS 7-PIN	ANY
	MP.0001	1.861.772.11		PCB	St
	P..0002	54.01.0427		CIS CONNECTOR-PINS, L=13.6mm	ANY
	R..0001	57.11.4471	470	10%	ANY
	T..0001	1.022.218.00		INPUT TRANSFORMER	St
	T..0002	1.022.298.00		OUTPUT TRANSFORMER	St

REMARKS:

MANUFACTURERS:
St = STUDER /

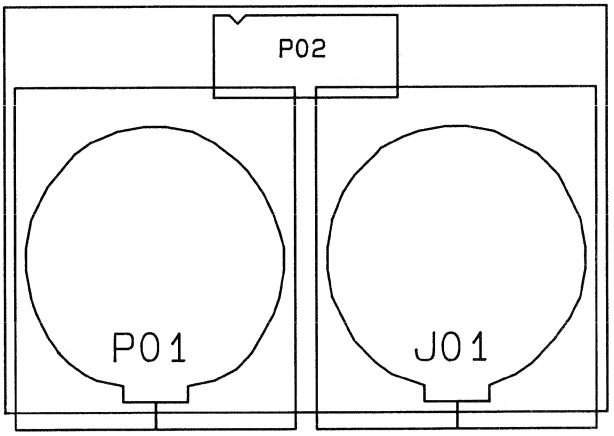
ABBREVIATIONS:
CER = CERAMIC / FILM = FILM TYPE / XF = CLAMP FOR FUSES /
XIC = IC SOCKET

ORIG 86/02/12

S T U D E R (00) 86/02/12 Sn TC TRANSFORMER 1.861.772.00 PAGE 1

PUBLISHED: 09/86

CONNECTORFIELD EURO 1.861.773.00 PAGE 1 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	J..0001	54.21.2002		XLR FEMALE	ITT
	J..0002	54.01.0263		CONNECTOR CIS 7-PIN	ANY
	MP.0001	I.861.773.11		PCB (EUROPE)	St
	MP.0002	20.21.7102		PHILIPS SCREW D2.2 ↕4.5	ANY
	MP.0003	20.21.7107		PHILIPS SCREW D2.2 ↕4.5	ANY
	P..0001	54.21.2001		XLR MALE	ITT

REMARKS:

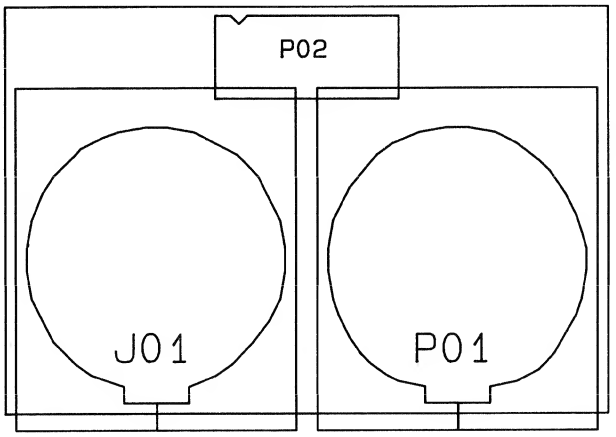
MANUFACTURERS:
St = STUDER
ITT = ITT CANNON

ORIG 85/07/23

S T U D E R (00) 85/07/23 EM CONNECTOR FIELD EURO 1.861.773.00 PAGE 1

PUBLISHED: 11/86

CONNECTORFIELD USA 1.861.775.00 PAGE 1 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	J..0001	54.21.2002		XLR FEMALE	ITT
	J..0002	54.01.0263		CONNECTOR CIS 7-PIN	ANY
	MP.0001	1.861.775.11		PCB(USA)	St
	MP.0002	20.21.7102		PHILIPS SCREW DZ.2 Ø4.5	ANY
	MP.0003	20.21.7102		PHILIPS SCREW DZ.2 Ø4.5	ANY
	P..0001	54.21.2001		XLR MALE	ITT

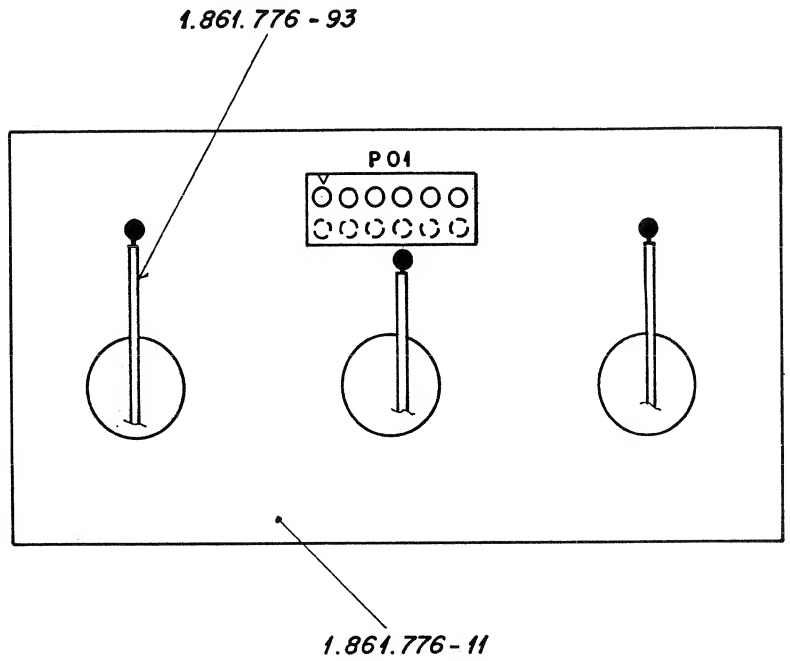
REMARKS:

MANUFACTURERS:
St = STUDER
ITT = ITT CANNON

ORIG 85/07/23

S T U D E R (00) 85/07/23 EM CONNECTORFIELD USA 1.861.775.00 PAGE 1

PUBLISHED: 11/86



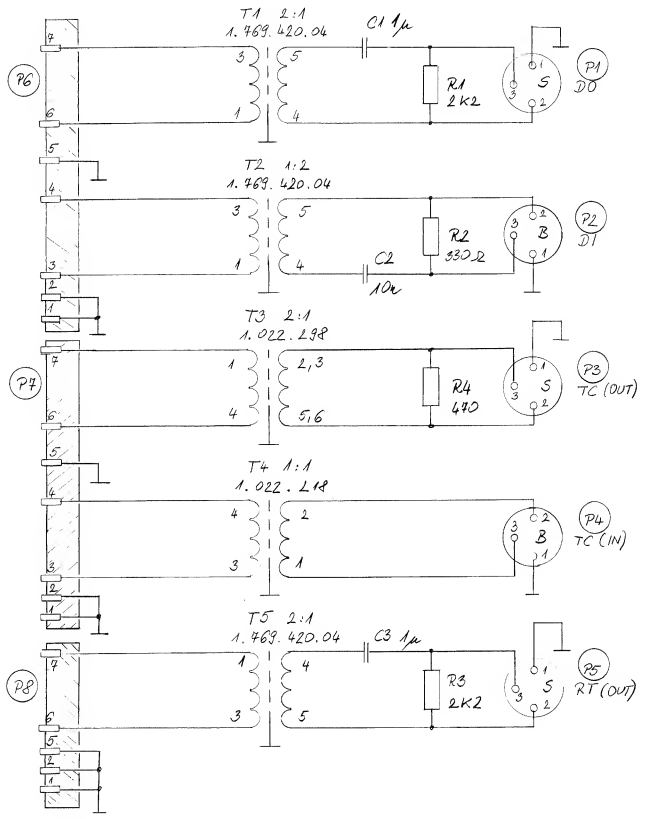
Werkstoff	Norm-Nr.:	Oberfläche	Güte:	Änderung						③
	DIN-Bez.:		Beh.:							②
	Abmessung:									①
Zugehörige Unterlagen: Li-L		Freimasstoleranz: ±	Maßstab: 2:1	Ausgabe	8.07.85					⓪
					Datum	Gez.	Gepr.	Ges.		Index
Ersatz für:		Ersetzt durch:		Kopie für Konstruktionsbüro						
STUDER REGENSDORF ZÜRICH	Benennung: BNC INTERCONNECTION			16. JULI 1985 Nummer: 1.861.776-00						

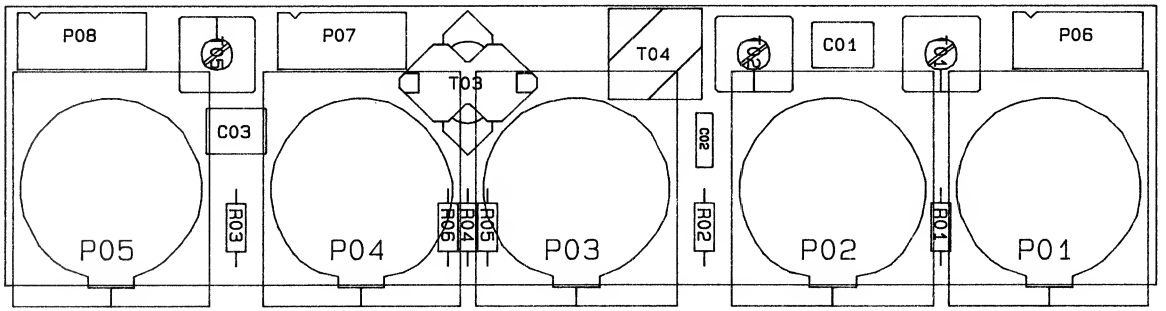
PUBLISHED: 11/86

CONNECTORFIELD TRAFO USA 1.861.777.00 PAGE 1 (LAST)

P6, P7, P8 = 54.01.0263
Durchsteck Buchsenleiste

P1, P3, P5 = 54.21.2001 Shassis-XLR
P2, P4 = 54.21.2002 Shassis-XLR

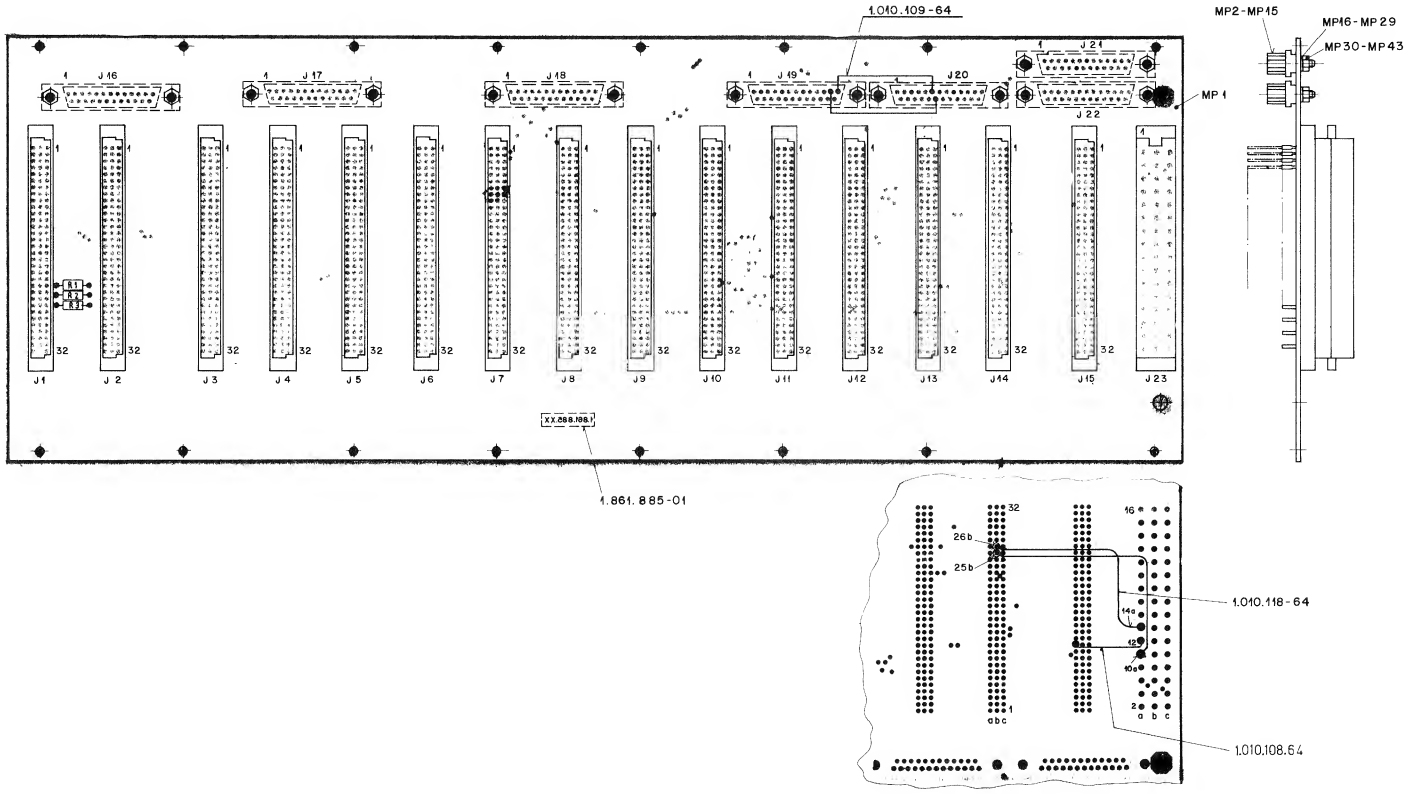




0 21.4.86 FAR				
				PAGE OF
STUDER	CONNECTORFIELD TRAFO USA			1.861.777-00

PUBLISHED: 09/86

BACKPANEL BOX 1.861.885.00 PAGE 1 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	J.....1	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....2	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....3	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....4	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....5	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....6	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....7	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....8	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....9	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....10	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....11	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....12	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....13	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....14	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....15	54.11.4103		CONNECTOR 96-PIN ACTION PIN	AMP
	J.....16	54.13.0043		D-SUB 25-PIN ACTION PIN	AMP
	J.....17	54.13.0043		D-SUB 25-PIN ACTION PIN	AMP
	J.....18	54.13.0043		D-SUB 25-PIN ACTION PIN	AMP
	J.....19	54.13.0043		D-SUB 25-PIN ACTION PIN	AMP
	J.....20	54.13.0043		D-SUB 25-PIN ACTION PIN	AMP
	J.....21	54.13.0043		D-SUB 25-PIN ACTION PIN	AMP
	J.....22	54.13.0043		D-SUB 25-PIN ACTION PIN	AMP
	J.....23	54.11.2012		CONNECTOR 48-PIN ACTION PIN TYPE F	AMP
	MP.....1	1.861.885.11		PCB	St
	MP.....2	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP.....3	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP.....4	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP.....5	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP.....6	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP.....7	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP.....8	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP.....9	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....10	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....11	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....12	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....13	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St

STUDER (00) 85/08/05 EM BACKPANEL BOX 1.861.885.00 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP....14	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....15	1.010.032.54		STAND-OFF WITH THREAD+LOCKING TYPE	St
	MP....16	24.16.1030		LOCK WASHER	ANY
	MP....17	24.16.1030		LOCK WASHER	ANY
	MP....18	24.16.1030		LOCK WASHER	ANY
	MP....19	24.16.1030		LOCK WASHER	ANY
	MP....20	24.16.1030		LOCK WASHER	ANY
	MP....21	24.16.1030		LOCK WASHER	ANY
	MP....22	24.16.1030		LOCK WASHER	ANY
	MP....23	24.16.1030		LOCK WASHER	ANY
	MP....24	24.16.1030		LOCK WASHER	ANY
	MP....25	24.16.1030		LOCK WASHER	ANY
	MP....26	24.16.1030		LOCK WASHER	ANY
	MP....27	24.16.1030		LOCK WASHER	ANY
	MP....28	24.16.1030		LOCK WASHER	ANY
	MP....29	24.16.1030		LOCK WASHER	ANY
	MP....30	22.01.8030		NUT, M3	ANY
	MP....31	22.01.8030		NUT, M3	ANY
	MP....32	22.01.8030		NUT, M3	ANY
	MP....33	22.01.8030		NUT, M3	ANY
	MP....34	22.01.8030		NUT, M3	ANY
	MP....35	22.01.8030		NUT, M3	ANY
	MP....36	22.01.8030		NUT, M3	ANY
	MP....37	22.01.8030		NUT, M3	ANY
	MP....38	22.01.8030		NUT, M3	ANY
	MP....39	22.01.8030		NUT, M3	ANY
	MP....40	22.01.8030		NUT, M3	ANY
	MP....41	22.01.8030		NUT, M3	ANY
	MP....42	22.01.8030		NUT, M3	ANY
	MP....43	22.01.8030		NUT, M3	ANY
	R.....1	57.11.4151	150	20%	ANY
	R.....2	57.11.4151	150	20%	ANY
	R.....3	57.11.4151	150	20%	ANY

STUDER (00) 85/08/05 EM BACKPANEL BOX 1.861.885.00 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

REMARKS:

MANUFACTURERS:
St = STUDER
AMP = AMP

ABBREVIATIONS :
ACT = ACTION PIN SYSTEM

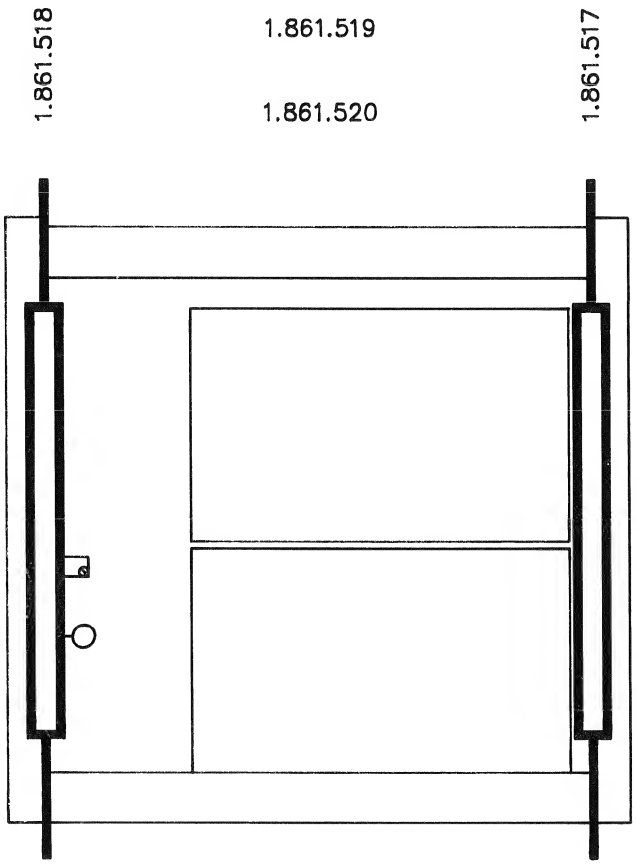
DRIG 85/08/05

STUDER (00) 85/08/05 EM BACKPANEL BOX 1.861.885.00 PAGE 3

4.1 ASSEMBLY POWER SUPPLY BOX

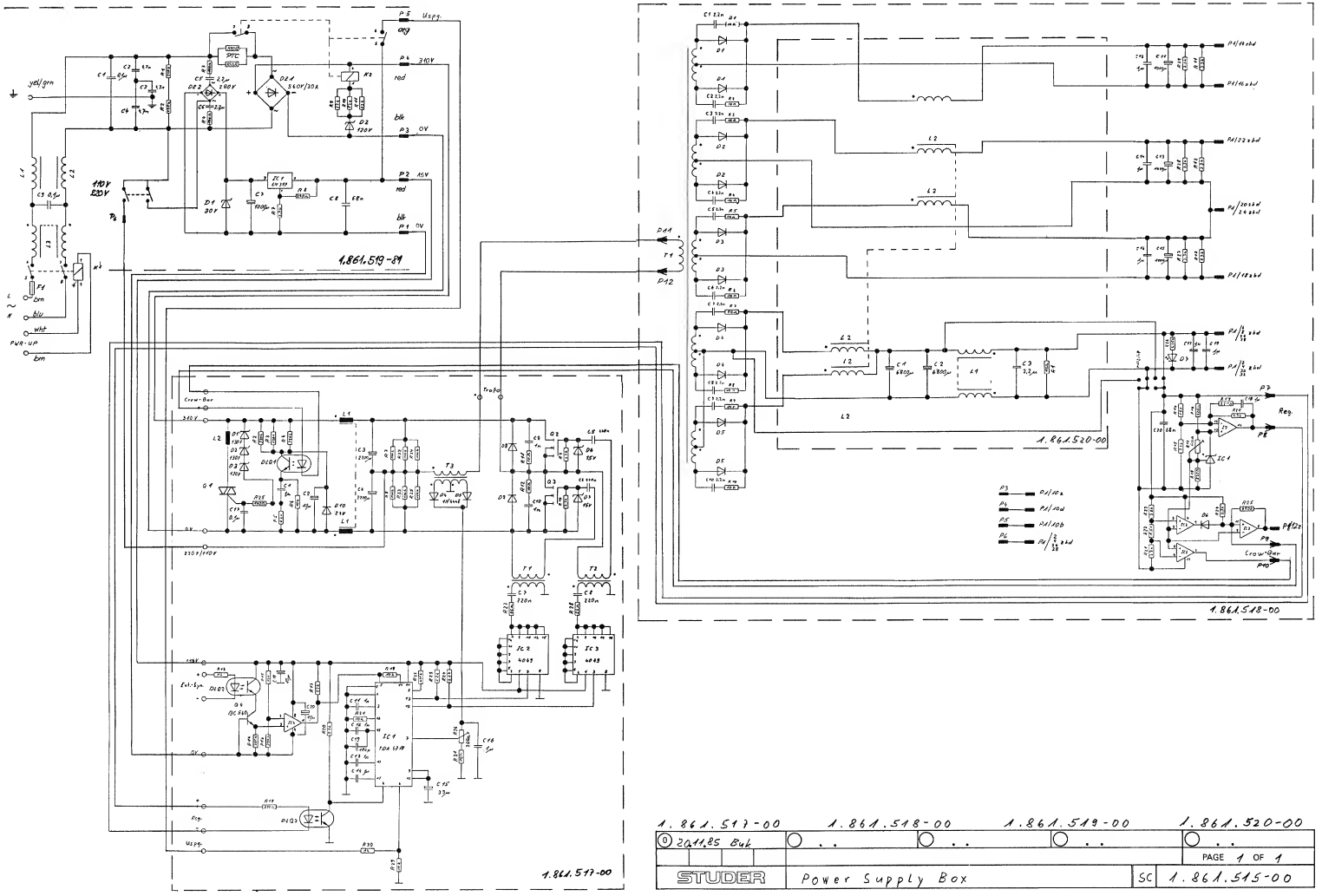
PUBLISHED: 12/86

BOARD LOCATION



PUBLISHED: 11/86

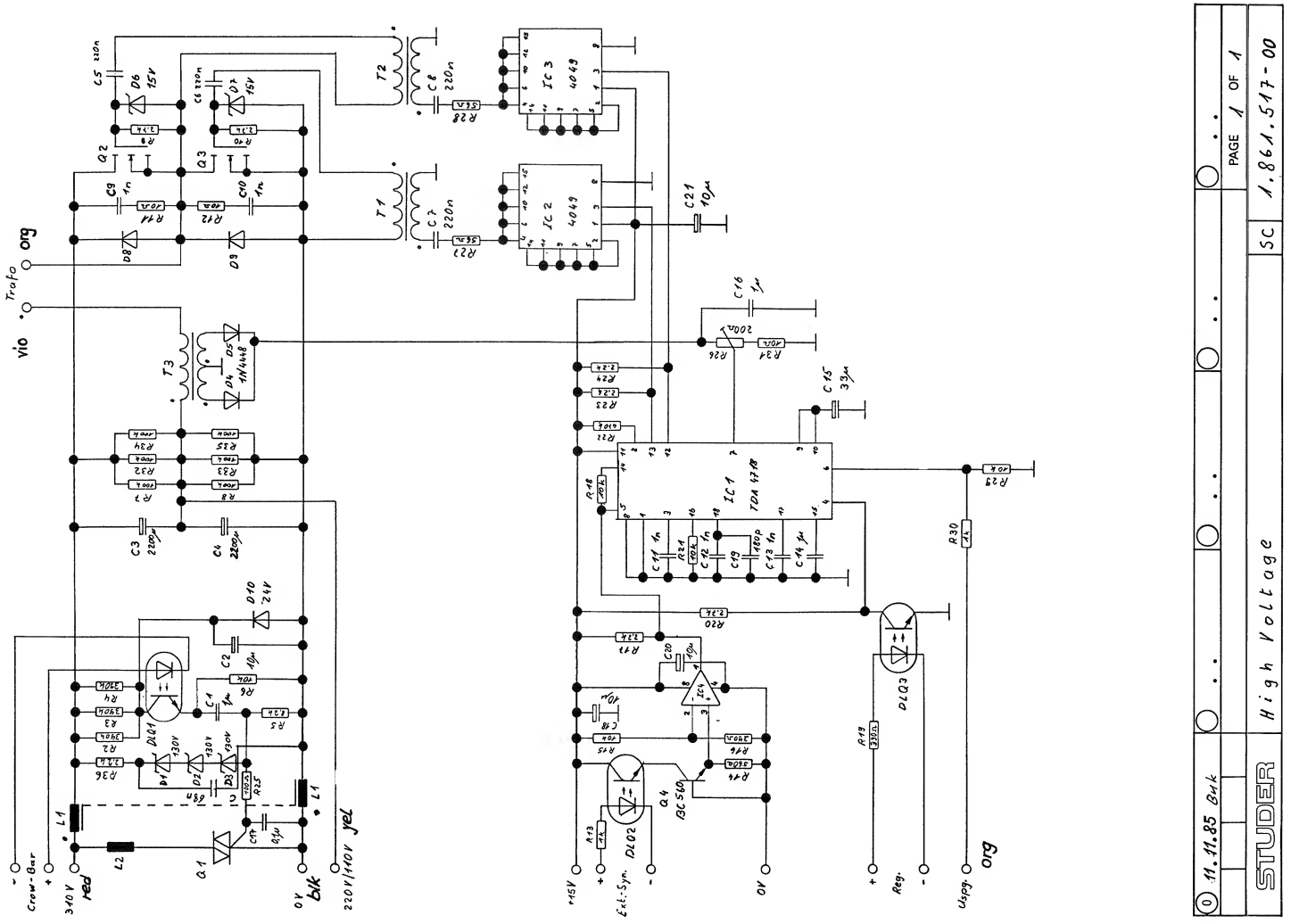
POWER SUPPLY BOX 1.861.515.00 PAGE 1 (LAST)



1.861.517-00	1.861.518-00	1.861.519-00	1.861.520-00
0 20.11.85 Bul			PAGE 1 OF 1
STUDER	Power Supply Box	SC	1.861.515-00

PUBLISHED: 09/86

HIGH VOLTAGE 1.861.517.00 PAGE 1



HIGH VOLTAGE 1.861.517.00 PAGE 2 (LAST)

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C..0001	59.06.0105	1.0 u	50%, 50V	ANY
	C..0002	59.22.8100	10 u	50%-20%,50V, ELECTROLYTIC	ANY
	C..0003	59.07.0003	2200 u	160V ELECTROLYTIC	ANY
	C..0004	59.07.0003	2200 u	160V ELECTROLYTIC	ANY
	C..0005	59.06.0224	0.22 u	10%, 50V	ANY
	C..0006	59.06.0224	0.22 u	10%, 50V	ANY
	C..0007	59.06.0224	0.22 u	10%, 50V	ANY
	C..0008	59.06.0224	0.22 u	10%, 50V	ANY
	C..0009	59.05.2102	1000 p	10%, 630V, FILM	ANY
	C..0010	59.05.2102	1000 p	10%, 630V, FILM	ANY
	C..0011	59.06.0102	1000 p	20%, 50V	ANY
	C..0012	59.06.0102	1000 p	20%, 50V	ANY
	C..0013	59.06.0102	1000 p	20%, 50V	ANY
	C..0014	59.06.0105	1.0 u	20%, 50V	ANY
	C..0015	59.26.1330	33 u	50%-20%,10V, ELECTROLYTIC	ANY
	C..0016	59.06.0105	1.0 u	20%, 50V	ANY
	C..0017	59.06.0104	0.1 u	50%, 50V	ANY
	C..0018	59.26.2100	10 u	50%-20%,16V, ELECTROLYTIC	ANY
	C..0019	59.34.4181	180 p	20%, 63V	ANY
	C..0020	59.26.2100	10 u	50%-20%,16V, ELECTROLYTIC	ANY
	C..0021	59.26.2100	10 u	50%-20%,16V, ELECTROLYTIC	ANY
	D..0001	50.04.1510	130 V	5%, 5W	ANY
	D..0002	50.04.1510	130 V	5%, 5W	ANY
	D..0003	50.04.1510	130 V	5%, 5W	ANY
	D..0004	50.04.0125	1N 4448		ANY
	D..0005	50.04.0125	1N 4448		ANY
	D..0006	50.04.1119	15 V	10%, .40W	ANY
	D..0007	50.04.1119	15 V	10%, .40W	ANY
	D..0008	50.04.0138		BYT 01-400, UF 4004	ANY
	D..0009	50.04.0138		BYT 01-400, UF 4004	ANY
	D..9010	50.04.1121	24V	BZX 83 C 24	ANY
	OL90001	50.04.2148		CNY 65	ANY
	OL90002	50.04.2148		CNY 65	ANY
	OL90003	50.04.2148		CNY 65	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC.0001	50.10.0111	TDA 4718A		Ph
	IC.0002	50.07.0049	4049		ANY
	IC.0003	50.07.0049	4049		ANY
	IC.0004	50.05.0283	LM393		ANY
	L..0001	1.022.004.00		RF-CHOKE	St
	L..0002	1.022.279.00		DUMP RESISTOR	St
	MP.0001	1.861.517.11		PCB	St
	MP.0002	54.99.0178		KARTENFUEHRUNG LINKS	St
	MP.0003	54.99.0177		KARTENFUEHRUNG RECHTS	St
	Q..0001	50.99.0106	T 28009	400V, 8A, TRIAC	ANY
	Q..0002	50.03.1504	IRF 741	IRF 740	IRF
	Q..0003	50.03.1504	IRF 741	IRF 740	IRF
	Q..0004	50.03.0496	BC 560		ANY
	R..0002	57.11.4394	390 k	10%, .25W	ANY
	R..0003	57.11.4394	390 k	10%, .25W	ANY
	R..0004	57.11.4394	390 k	10%, .25W	ANY
	R..0005	57.11.4822	8.2 k	10%, .25W	ANY
	R..0006	57.11.4103	10 k	10%, .25W	ANY
	R..0007	57.11.4104	100 k	10%, .25W	ANY
	R..0008	57.11.4104	100 k	10%, .25W	ANY
	R..0009	57.11.4272	2.7 k	5%, .25W	ANY
	R..0010	57.11.4272	2.7 k	5%, .25W	ANY
	R..0011	57.11.4100	10	10%, .25W	ANY
	R..0012	57.11.4100	10	10%, .25W	ANY
	R..0013	57.11.4102	1 k	10%, .25W	ANY
	R..0014	57.11.4561	560	10%, .25W	ANY
	R..0015	57.11.4103	10 k	10%, .25W	ANY
	R..0016	57.11.4391	390	10%, .25W	ANY
	R..0017	57.11.4222	2.2 k	10%, .25W	ANY
	R..0018	57.11.4103	10 k	10%, .25W	ANY
	R..0019	57.11.4391	390	2%, .25W	ANY
	R..0020	57.11.4272	2.7 k	2%, .25W	ANY
	R..0021	57.11.4103	10 k	2%, .25W	ANY

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R..0022	57.11.4474	470 k	10%, .25W	ANY
	R..0023	57.11.4222	2.2 k	10%, .25W	ANY
	R..0024	57.11.4222	2.2 k	10%, .25W	ANY
	R..0025	57.11.4101	100	10%, .25W	ANY
	R..0026	58.01.8201	200	10%, .25W	ANY
	R..0027	57.11.4560	56	5%, .25W	ANY
	R..0028	57.11.4560	56	5%, .25W	ANY
	R..0029	57.11.4103	10 k	10%, .25W	ANY
	R..0030	57.11.4102	1 k	10%, .25W	ANY
	R..0031	57.11.4100	10	10%, .25W	ANY
	R..0032	57.11.4104	100 k	10%, .25W	ANY
	R..0033	57.11.4104	100 k	10%, .25W	ANY
	R..0034	57.11.4104	100 k	10%, .25W	ANY
	R..0035	57.11.4104	100 k	10%, .25W	ANY
	T..0001	1.022.220.00		PULSE-TRANSFORMER	St
	T..0002	1.022.220.00		PULSE-TRANSFORMER	St
	T..0003	1.022.280.00		CURRENT-TRANSFORMER	St

REMARKS:

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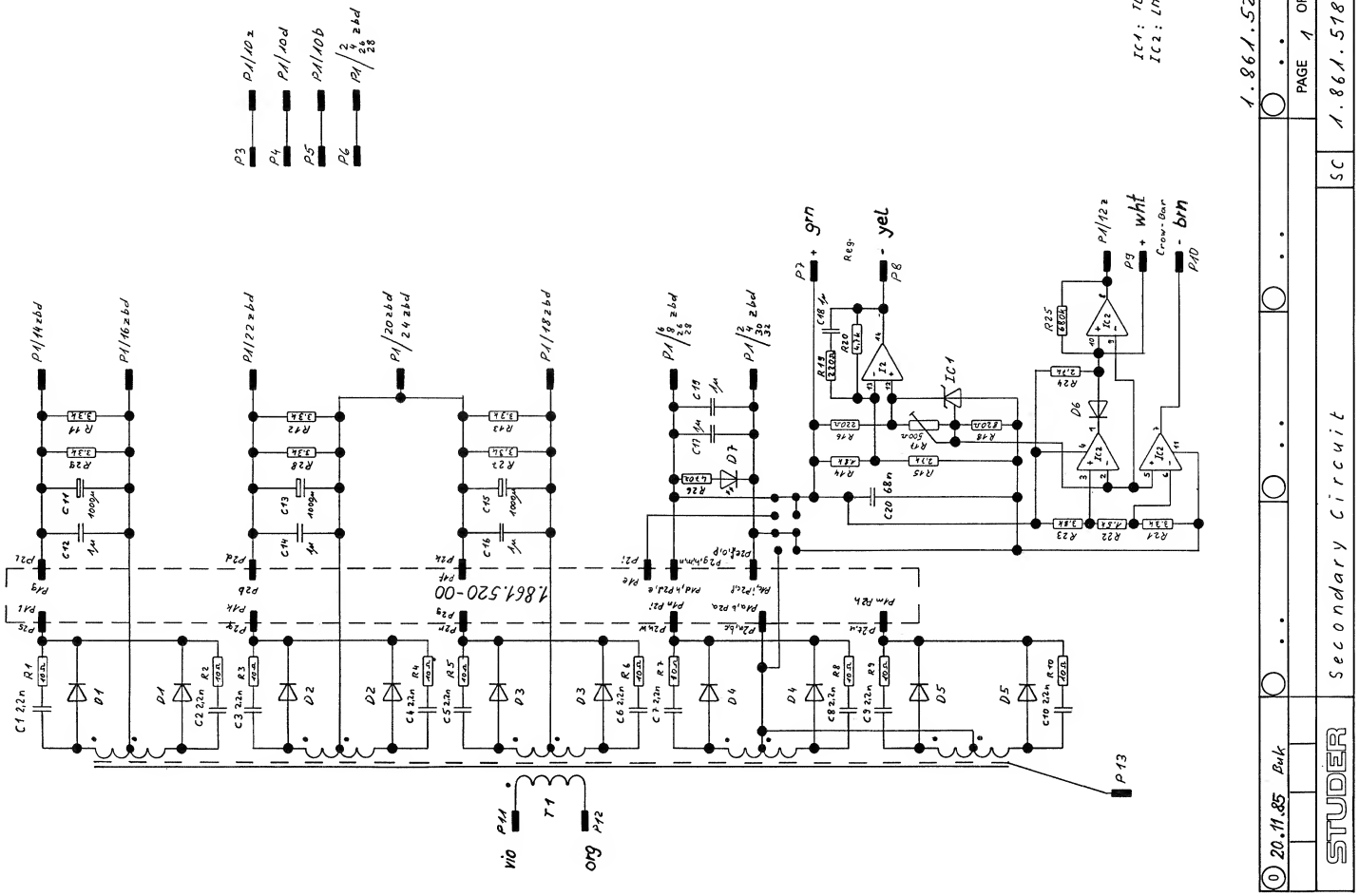
ORIG 85/04/10

PUBLISHED: 09/86

SECUNDARY CIRCUIT 1.861.518.00 PAGE 1



SECUNDARY CIRCUIT 1.861.518.00 PAGE 2 (LAST)

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	A..0001	1.861.520.00		SECONDARY FILTER	St
	C..0001	59.06.0222	2200 p	20%, 63V	ANY
	C..0002	59.06.0222	2200 p	20%, 63V	ANY
	C..0003	59.06.0222	2200 p	20%, 63V	ANY
	C..0004	59.06.0222	2200 p	20%, 63V	ANY
	C..0005	59.06.0222	2200 p	20%, 63V	ANY
	C..0006	59.06.0222	2200 p	20%, 63V	ANY
	C..0007	59.06.0222	2200 p	20%, 63V	ANY
	C..0008	59.06.0222	2200 p	20%, 63V	ANY
	C..0009	59.06.0222	2200 p	20%, 63V	ANY
	C..0010	59.06.0222	2200 p	20%, 63V	ANY
	C..0011	59.22.6102	1000 u	50%,-20%,40V	ANY
	C..0012	59.06.0105	1.0 u	50%, 40V	ANY
	C..0013	59.22.6102	1000 u	50%,-20%,40V	ANY
	C..0014	59.06.0105	1.0 u	50%, 40V	ANY
	C..0015	59.22.6102	1000 u	50%,-20%,40V	ANY
	C..0016	59.06.0105	1.0 u	50%, 40V	ANY
	C..0017	59.06.0105	1.0 u	50%, 30V	ANY
	C..0018	59.06.0105	1.0 u	20%, 30V	ANY
	C..0019	59.06.0105	1.0 u	20%, 30V	ANY
	C..0020	59.06.0683	.068 u	20%, 63V	ANY
	D..0001	50.04.0517		8YV 32-200	ANY
	D..0002	50.04.0517		8YV 32-200	ANY
	D..0003	50.04.0517		8YV 32-200	ANY
	D..0004	50.04.0520		MBR 3045	ANY
	D..0005	50.04.0520		MBR 3045	ANY
	D..0006	50.04.0125		1N4448	ANY
	D..0007	50.04.2109		MV 5024, LED	ANY
	IC.0001	50.10.0106		TL 431 CLP	ANY
	IC.0002	50.05.0199		LM 324 N	NS
	MP.0001	1.861.518.11		PCB	St
	MP.0002	54.99.0178		KARTENFUEHRUNG LINKS	St
	MP.0003	54.99.0177		KARTENFUEHRUNG RECHTS	St

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	P..0001	54.11.2015		EURO CONNECTOR F, 3*16	ANY
	P..0002	54.99.0176		BASISKONTAKTSTREIFEN	St
	P..0003	54.02.0320		Plug	ANY
	P..0004	54.02.0320		Plug	ANY
	P..0005	54.02.0320		Plug	ANY
	P..0006	54.02.0320		Plug	ANY
	P..0007	54.02.0320		Plug	ANY
	P..0008	54.02.0320		Plug	ANY
	P..0009	54.02.0320		Plug	ANY
	P..0010	54.02.0320		Plug	ANY
	P..0011	54.02.0320		Plug	ANY
	P..0012	54.02.0320		Plug	ANY
	R..0001	57.11.4100	10	10%, .25W	ANY
	R..0002	57.11.4100	10	10%, .25W	ANY
	R..0003	57.11.4100	10	10%, .25W	ANY
	R..0004	57.11.4100	10	10%, .25W	ANY
	R..0005	57.11.4100	10	10%, .25W	ANY
	R..0006	57.11.4100	10	10%, .25W	ANY
	R..0007	57.11.4100	10	10%, .25W	ANY
	R..0008	57.11.4100	10	10%, .25W	ANY
	R..0009	57.11.4100	10	10%, .25W	ANY
	R..0010	57.11.4100	10	10%, .25W	ANY
	R..0011	57.11.4332	3.3 k	10%, .25W	ANY
	R..0012	57.11.4332	3.3 k	10%, .25W	ANY
	R..0013	57.11.4332	3.3 k	10%, .25W	ANY
	R..0014	57.11.6182	1.8 k	5%, .25W	ANY
	R..0015	57.11.4272	2.7 k	5%, .25W	ANY
	R..0016	57.11.4221	220	5%, .25W	ANY
	R..0017	58.05.0501	500	10%, .25W	ANY
	R..0018	57.11.4821	820	5%, .25W	ANY
	R..0019	57.11.4221	220 k	10%, .25W	ANY
	R..0020	57.11.4472	4.7 k	5%, .25W	ANY
	R..0021	57.11.4332	3.3 k	2%, .25W	ANY
	R..0022	57.11.4152	1.5 k	2%, .25W	ANY
	R..0023	57.11.4392	3.9 k	2%, .25W	ANY
	R..0024	57.11.4272	2.7 k	10%, .25W	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R..0025	57.11.4684	680 k	10%, .25W	ANY
	R..0026	57.11.4471	470	10%, .25W	ANY
	R..0027	57.11.4332	3.3 k	10%, .25W	ANY
	R..0028	57.11.4332	3.3 k	10%, .25W	ANY
	R..0029	57.11.4332	3.3 k	10%, .25W	ANY
	T..0001	1.022.276.00		TRANSFORMER	St

REMARKS:

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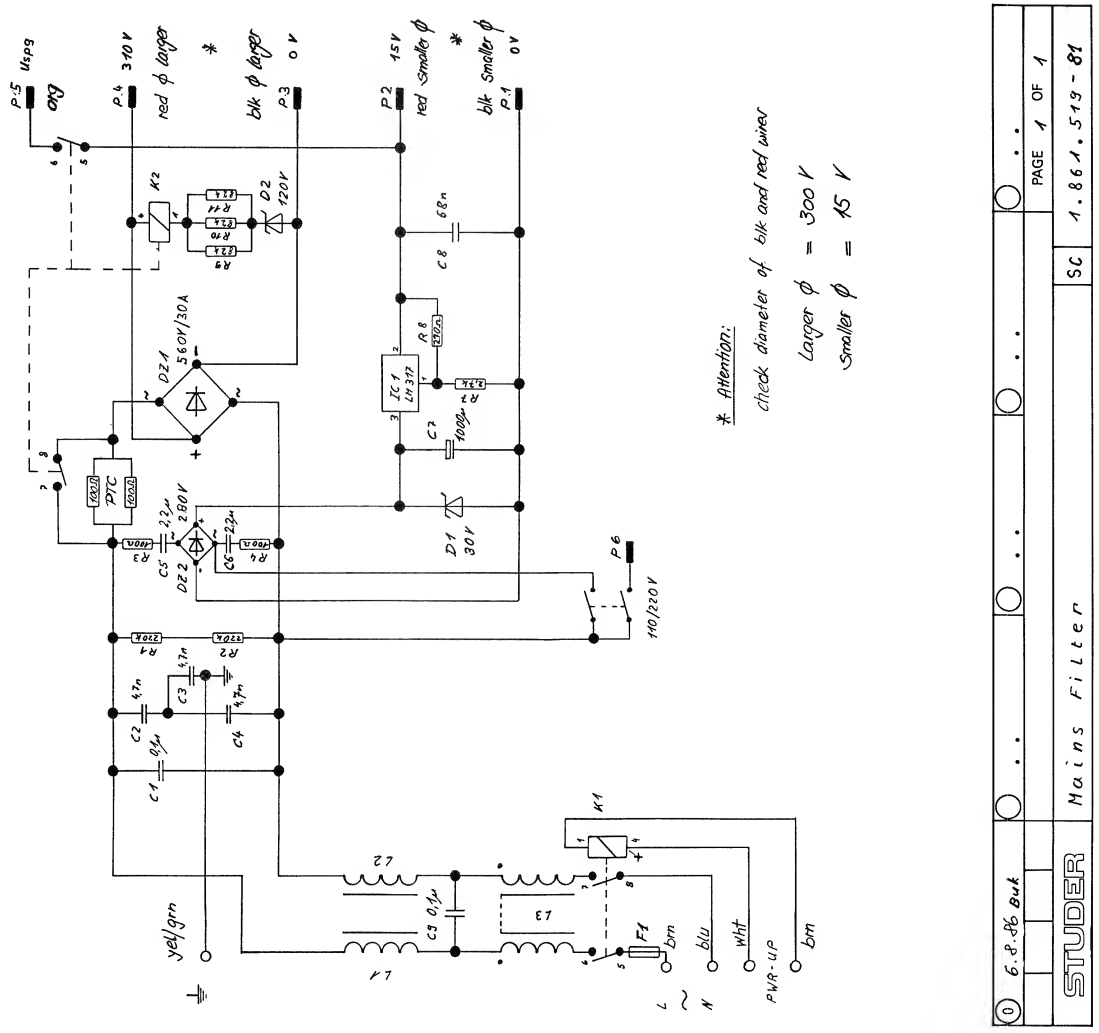
ORIG 85/04/10

PUBLISHED: 09/86

MAINS FILTER 1.861.519.81 PAGE 1



* Attention:
check diameter of blk and red wires
Larger ϕ = 300 V
Smaller ϕ = 15 V

0	6.8.86 Buk					
STUDER	Mains Filter		SC	1.861.519-81	PAGE 1 OF 1	

MAINS FILTER 1.861.519.81 PAGE 2 (LAST)

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C..0001	59.14.0104	0.1 u	20%, 250V	ANY
	C..0002	59.14.0472	4700 p	20%, 250V	ANY
	C..0003	59.14.0472	4700 p	20%, 250V	ANY
	C..0004	59.14.0472	4700 p	20%, 250V	ANY
	C..0005	59.31.7225	2.2 u	20%, 250V	ANY
	C..0006	59.31.7225	2.2 u	20%, 250V	ANY
	C..0007	59.22.6102	1000 u	50%,-20%,40V	ANY
	C..0008	59.06.0683	.068 u	20%, 63V	ANY
	C..0009	59.14.0104	0.1 u	20%, 250V	ANY
	D..0001	50.04.1506	30 V	5%, 1.3W	ANY
	D..0002	50.04.1505	120 V	5%, 5W	ANY
	DZ.0001	70.01.0240		560V / 30A	ANY
	DZ.0002	70.01.0227		280V / 6A	ANY
	IC.0001	50.10.0104		LM 317 SP	ANY
	K..0001	56.04.0180		K 24V 2*A 250V 8 A	ANY
	K..0002	56.04.0182		K 48V 2*A 250V 8 A	ANY
	L..0001	62.03.0040	100 uH	5A	ANY
	L..0002	62.03.0040	100 uH	5A	ANY
	L..0003	62.03.0104	>1.8 uH	4A	ANY
	MP.0001	1.861.519.12		PCB	ST
	P..0001	54.02.0320		Plug	ANY
	P..0002	54.02.0320		Plug	ANY
	P..0003	54.02.0320		Plug	ANY
	P..0004	54.02.0320		Plug	ANY
	P..0005	54.02.0320		Plug	ANY
	P..0006	54.02.0320		Plug	ANY
	R..0001	57.11.4224	220 k	10%, .25W	ANY
	R..0002	57.11.4224	220 k	10%, .25W	ANY
	R..0003	57.11.4101	100	10%, .25W	ANY

S T U D E R (00) 85/04/10 Sn MAINS FILTER 1.861.519.81 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R..0004	57.11.4101	100	10%, .25W	ANY
	R..0005	57.92.2560	100	PTC	ANY
	R..0006	57.92.2560	100	PTC	ANY
	R..0007	57.11.4272	2.7 k	5%, .25W	ANY
	R..0008	57.11.4271	270	5%, .25W	ANY
	R..0009	57.11.4823	82 k	10%, .25W	ANY
	R..0010	57.11.4823	82 k	10%, .25W	ANY
	R..0011	57.11.4823	82 k	10%, .25W	ANY

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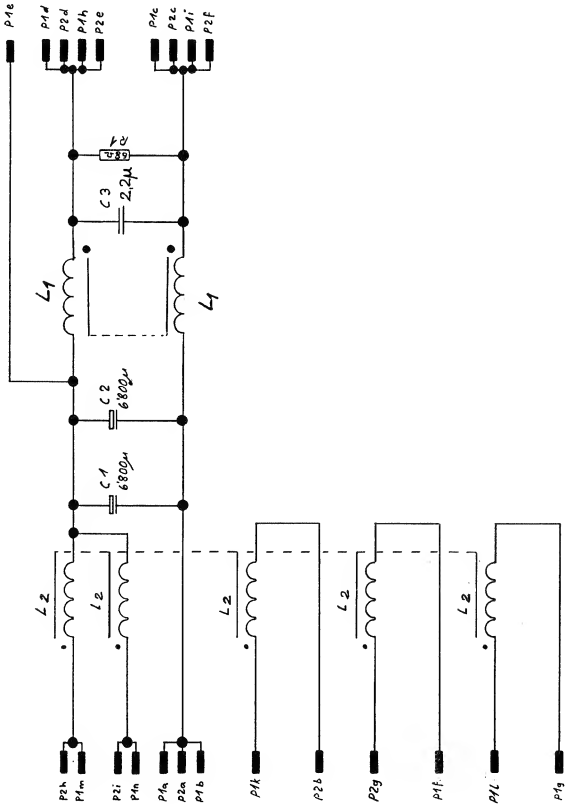
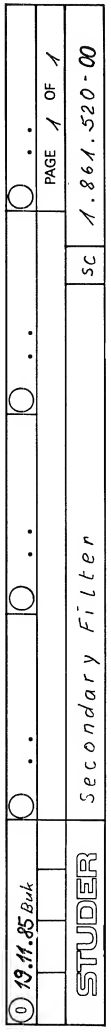
ORIG 85/04/10

S T U D E R (00) 85/04/10 Sn MAINS FILTER 1.861.519.81 PAGE 2

PUBLISHED: 09/86

SECONDARY FILTER 1.861.520.00 PAGE 1





SECONDARY FILTER 1.861.520.00 PAGE 2 (LAST)

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C..0001	59.28.1682	6800 u	50%-20%.10V	ANY
	C..0002	59.28.1682	6800 u	50%-20%.10V	ANY
	C..0003	59.02.0225	2.2 u	5%- 5%.63V	ANY
	L..0001	1.022.278.00		DC COMPENSATED CHOKE	St
	L..0002	1.022.277.00		TWIN CHOKE	St
	MP.0001	1.861.520.11		PCB	St
	P..0001	54.99.0175		MODULKONTAKTSTREIFEN HOCH	St
	P..0002	54.99.0174		MODULKONTAKTSTREIFEN NIEDRIG	St
	R..0001	57.56.5100	10 Ohm	10%, 4 W	ANY

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ORIG 85/04/10

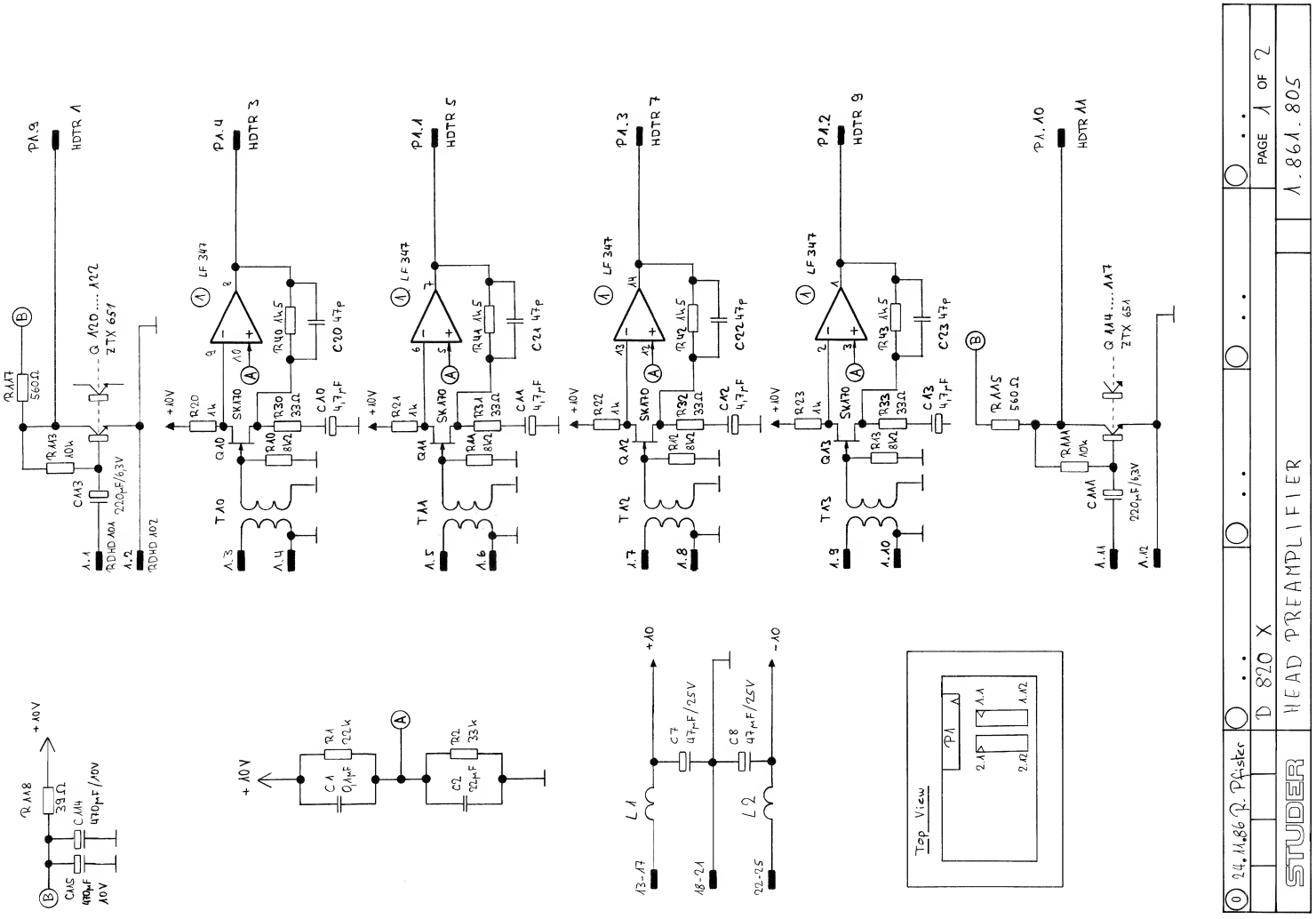
S T U D E R (00) 85/04/10 Sn SECONDARY FILTER 1.861.520.00 PAGE 1

PUBLISHED: 09/86

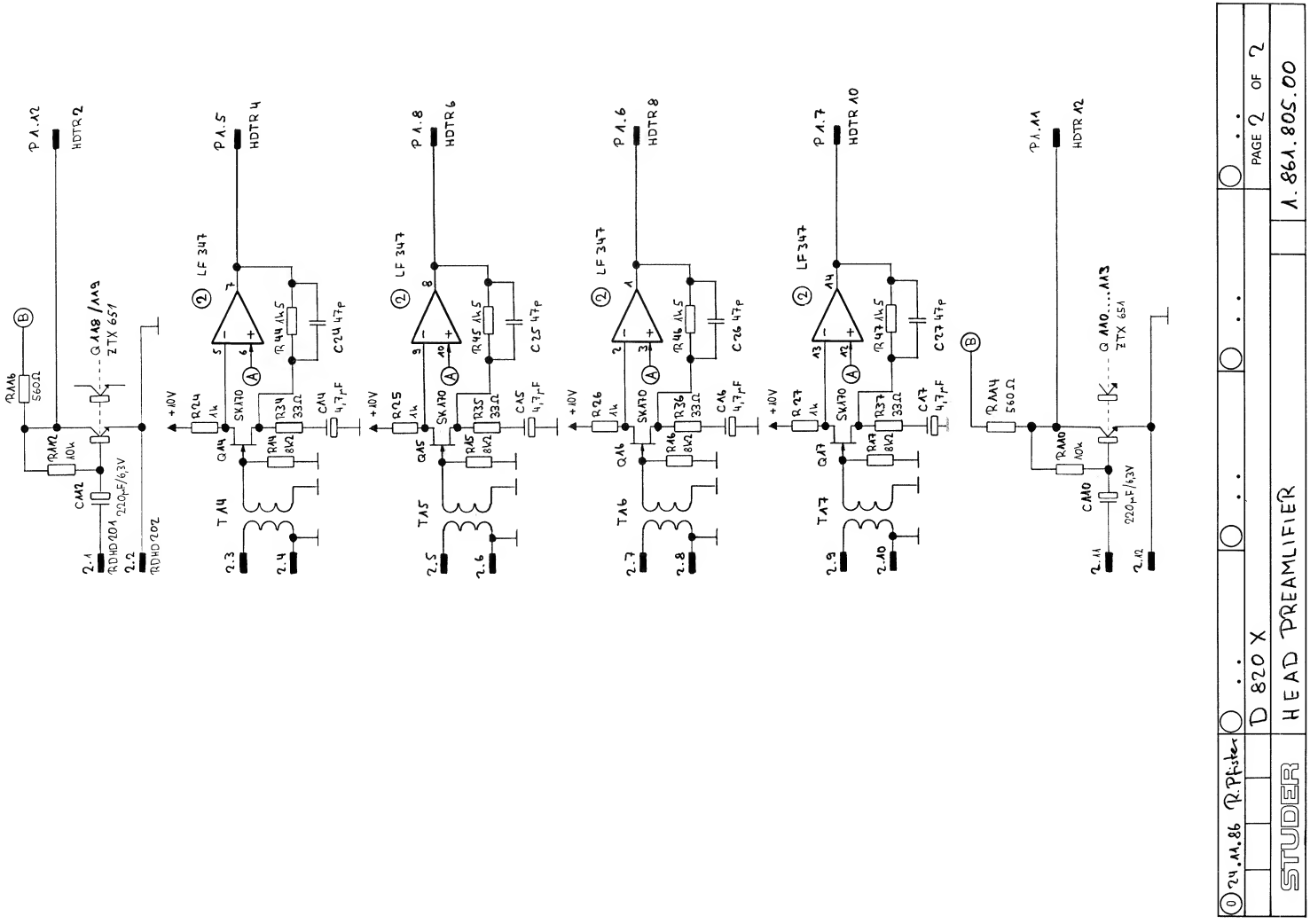
5. ASSEMBLY 5 HEADBLOCKS

PUBLISHED: 12/86

HEAD PREAMPLIFIER 1.861.805.00 PAGE 1

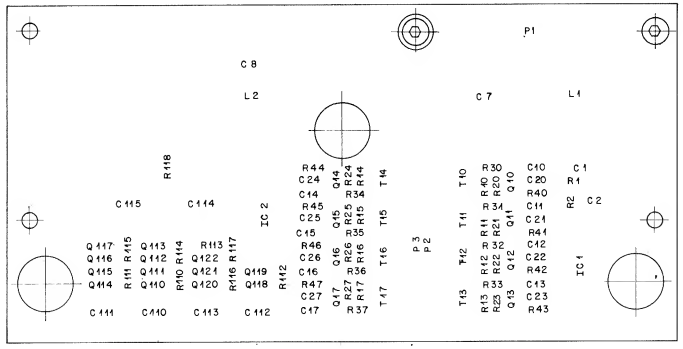


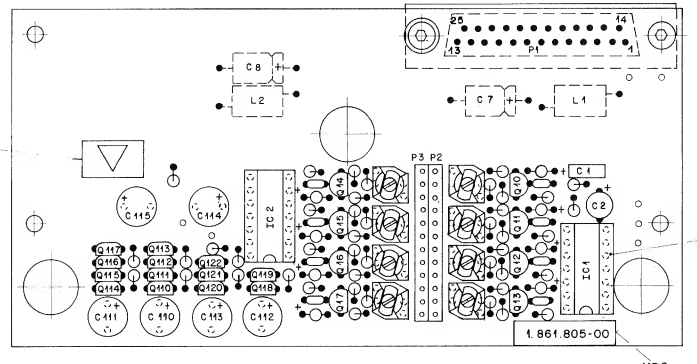
HEAD PREAMPLIFIER 1.861.805.00 PAGE 2

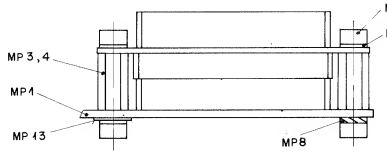


0 24.11.86 R.Pfister	...	...	...	...	...	...
STUDER	D 820 X				PAGE 2 OF 2	
	HEAD PREAMLIFIER				1.861.805.00	

HEAD PREAMPLIFIER 1.861.805.00 PAGE 3 (LAST)







Änderung				
Ausgabe	29.10.86 A Ho			
Datum	Gez	Gepr	Ges	Index
Kopie für				
	24. NOV. 1986			
Nummer	1.861.805-00			

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.32.3104	100n	20%, CERAMIC	ANY
	C....2	59.24.5220	22u	50%, ELECTROLYTIC	ANY
	C....7	59.24.4470	47u	50%, ELECTROLYTIC	ANY
	C....8	59.24.4470	47u	50%, ELECTROLYTIC	ANY
	C....10	59.30.4479	4.7u	50%, ELECTROLYTIC	AND
	C....11	59.30.4479	4.7u	50%, ELECTROLYTIC	ANY
	C....12	59.30.4479	4.7u	50%, ELECTROLYTIC	ANY
	C....13	59.30.4479	4.7u	50%, ELECTROLYTIC	ANY
	C....14	59.30.4479	4.7u	50%, ELECTROLYTIC	ANY
	C....15	59.30.4479	4.7u	50%, ELECTROLYTIC	ANY
	C....16	59.30.4479	4.7u	50%, ELECTROLYTIC	ANY
	C....17	59.30.4479	4.7u	50%, ELECTROLYTIC	ANY
	C....20	59.34.2470	47p	20%, CERAMIC	ANY
	C....21	59.34.2470	47p	20%, CERAMIC	ANY
	C....22	59.34.2470	47p	20%, CERAMIC	ANY
	C....23	59.34.2470	47p	20%, CERAMIC	ANY
	C....24	59.34.2470	47p	20%, CERAMIC	ANY
	C....25	59.34.2470	47p	20%, CERAMIC	ANY
	C....26	59.34.2470	47p	20%, CERAMIC	ANY
	C....27	59.34.2470	47p	20%, CERAMIC	ANY
	C....110	59.22.3221	220u	20%, ELECTROLYTIC	ANY
	C....111	59.22.3221	220u	20%, ELECTROLYTIC	ANY
	C....112	59.22.3221	220u	20%, ELECTROLYTIC	ANY
	C....113	59.22.3221	220u	20%, ELECTROLYTIC	ANY
	C....114	59.22.3471	470u	10V, ELECTROLYTIC	ANY
	C....115	59.22.3471	470u	10V, ELECTROLYTIC	ANY
	IC....1	50.09.0104	LF 347 N		ANY
	IC....2	50.09.0104	LF 347 N		ANY
	L....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	L....2	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP....1	1.861.805.12		PCB	St
	MP.0002	1.861.805.01		LABEL WITH STUDER NUMBER	St
	MP.0003	1.010.062.27		STAND-OFF, M3*11	ANY
	MP.0004	1.010.062.27		STAND-OFF, M3*11	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP.0005	24.16.1030		LOCK WASHER, D=3.2/5.59.45	ANY
	MP.0006	24.16.1030		LOCK WASHER, D=3.2/5.96.45	ANY
	MP.0007	24.16.1030		LOCK WASHER, D=3.2/5.59.45	ANY
	MP.0008	24.16.1030		LOCK WASHER, D=3.2/5.59.45	ANY
	MP.0009	21.51.8354		PHILIPS-SCREW, M3*6	ANY
	MP.0010	21.51.8354		PHILIPS-SCREW, M3*6	ANY
	MP.0011	21.51.8354		PHILIPS-SCREW, M3*6	ANY
	MP.0012	21.51.8354		PHILIPS-SCREW, M3*6	ANY
	P....1	54.13.0023		USUM 23, FEMALE	ANY
	P....2	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....3	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....4	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....5	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....6	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....7	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....8	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....9	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....10	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....11	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....12	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....13	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....14	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....15	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....16	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....17	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....18	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....19	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....20	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....21	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....22	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....23	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....24	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	P....25	54.01.0020		CONNECTOR PIN, H=5.8/3.4	ANY
	Q....10	50.03.0215		2SK170, FET	ANY
	Q....11	50.03.0215		2SK170, FET	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	Q....12	50.03.0215		2SK170, FET	ANY
	Q....13	50.03.0215		2SK170, FET	ANY
	Q....14	50.03.0215		2SK170, FET	ANY
	Q....15	50.03.0215		2SK170, FET	ANY
	Q....16	50.03.0215		2SK170, FET	ANY
	Q....17	50.03.0215		2SK170, FET	ANY
	Q....110	50.03.0523		ZTX 651 S	ANY
	Q....111	50.03.0523		ZTX 651 S	ANY
	Q....112	50.03.0523		ZTX 651 S	ANY
	Q....113	50.03.0523		ZTX 651 S	ANY
	Q....114	50.03.0523		ZTX 651 S	ANY
	Q....115	50.03.0523		ZTX 651 S	ANY
	Q....116	50.03.0523		ZTX 651 S	ANY
	Q....117	50.03.0523		ZTX 651 S	ANY
	Q....118	50.03.0523		ZTX 651 S	ANY
	Q....119	50.03.0523		ZTX 651 S	ANY
	Q....120	50.03.0523		ZTX 651 S	ANY
	Q....121	50.03.0523		ZTX 651 S	ANY
	Q....122	50.03.0523		ZTX 651 S	ANY
	R....1	57.11.4223	22k	5%	ANY
	R....2	57.11.4333	33k	5%	ANY
(00)	R....10	57.11.4682	6.8k	5%	ANY
(01)	R....10	57.11.4822	8.2k	2%	ANY
(00)	R....11	57.11.4682	6.8k	5%	ANY
(01)	R....11	57.11.4822	8.2k	2%	ANY
(00)	R....12	57.11.4682	6.8k	5%	ANY
(01)	R....12	57.11.4822	8.2k	2%	ANY
(00)	R....13	57.11.4682	6.8k	5%	ANY
(01)	R....13	57.11.4822	8.2k	2%	ANY
(00)	R....14	57.11.4682	6.8k	5%	ANY
(01)	R....14	57.11.4822	8.2k	2%	ANY
(00)	R....15	57.11.4682	6.8k	5%	ANY
(01)	R....15	57.11.4822	8.2k	2%	ANY
(00)	R....16	57.11.4662	6.8k	5%	ANY
(01)	R....16	57.11.4822	8.2k	2%	ANY
(00)	R....17	57.11.4682	6.8k	5%	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(01)	R....17	57.11.4822	8.2K	2%	ANY
	R....20	57.11.4102	1k	5%	ANY
	R....21	57.11.4102	1k	5%	ANY
	R....22	57.11.4102	1k	5%	ANY
	R....23	57.11.4102	1k	5%	ANY
	R....24	57.11.4102	1k	5%	ANY
	R....25	57.11.4102	1k	5%	ANY
	R....26	57.11.4102	1k	5%	ANY
	R....27	57.11.4102	1k	5%	ANY
	R....30	57.11.4330	33	5%	ANY
	R....31	57.11.4330	33	5%	ANY
	R....32	57.11.4330	33	5%	ANY
	R....33	57.11.4330	33	5%	ANY
	R....34	57.11.4330	33	5%	ANY
	R....35	57.11.4330	33	5%	ANY
	R....36	57.11.4330	33	5%	ANY
	R....37	57.11.4330	33	5%	ANY
	R....40	57.11.4152	1.5k	5%	ANY
	R....41	57.11.4152	1.5k	5%	ANY
	R....42	57.11.4152	1.5k	5%	ANY
	R....43	57.11.4152	1.5k	5%	ANY
	R....44	57.11.4152	1.5k	5%	ANY
	R....45	57.11.4152	1.5k	5%	ANY
	R....46	57.11.4152	1.5k	5%	ANY
	R....47	57.11.4152	1.5k	5%	ANY
	R....110	57.11.4103	10k	2%	ANY
	R....111	57.11.4103	10k	2%	ANY
	R....112	57.11.4103	10k	5%	ANY
	R....113	57.11.4103	10k	5%	ANY
	R....114	57.11.3561	560	5%	ANY
	R....115	57.11.3561	560	5%	ANY
	R....116	57.11.3561	560	5%	ANY
	R....117	57.11.3561	560	5%	ANY
	R....118	57.11.4390	39	5%	ANY
	T....1	1.022.357.00		INPUT TRANSFORMER DIG. TRACK, TYPE S	St
	T....2	1.022.357.00		INPUT TRANSFORMER DIG. TRACK, TYPE S	St

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	T....3	1.022.357.00		INPUT TRANSFORMER DIG. TRACK, TYPE S	St
	T....4	1.022.357.00		INPUT TRANSFORMER DIG. TRACK, TYPE S	St
	T....5	1.022.357.00		INPUT TRANSFORMER DIG. TRACK, TYPE S	St
	T....6	1.022.357.00		INPUT TRANSFORMER DIG. TRACK, TYPE S	St
	T....7	1.022.357.00		INPUT TRANSFORMER DIG. TRACK, TYPE S	St
	T....8	1.022.357.00		INPUT TRANSFORMER DIG. TRACK, TYPE S	St
	XIC....1	53.03.0167		14-PIN	ANY
	XIC....2	53.03.0167		14-PIN	ANY

REMARKS: TRANSFORMERS FOR DIGITAL TRACKS ACCORDING TO HEAD-TYPE, TYPE S = SONY HEADS, TYPE W = WOELKE HEADS.

MANUFACTURERS:
St = STUDER
Ph = PHILIPS

ABBREVIATIONS:
CER = CERAMIC / EL = ELECTROLYTIC
XIC = IC SOCKET

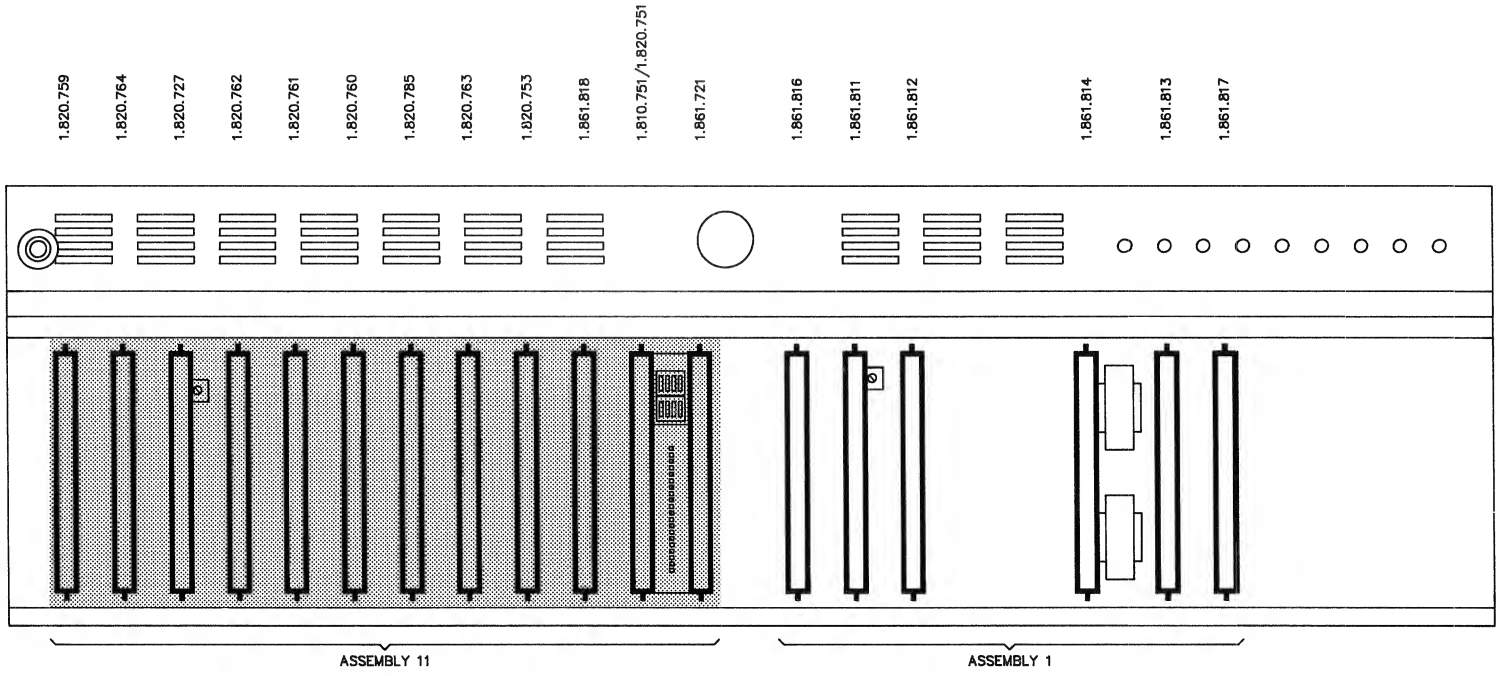
OKIG 86/02/12

PUBLISHED: 12/86

6. ASSEMBLY 11 TRANSPORT

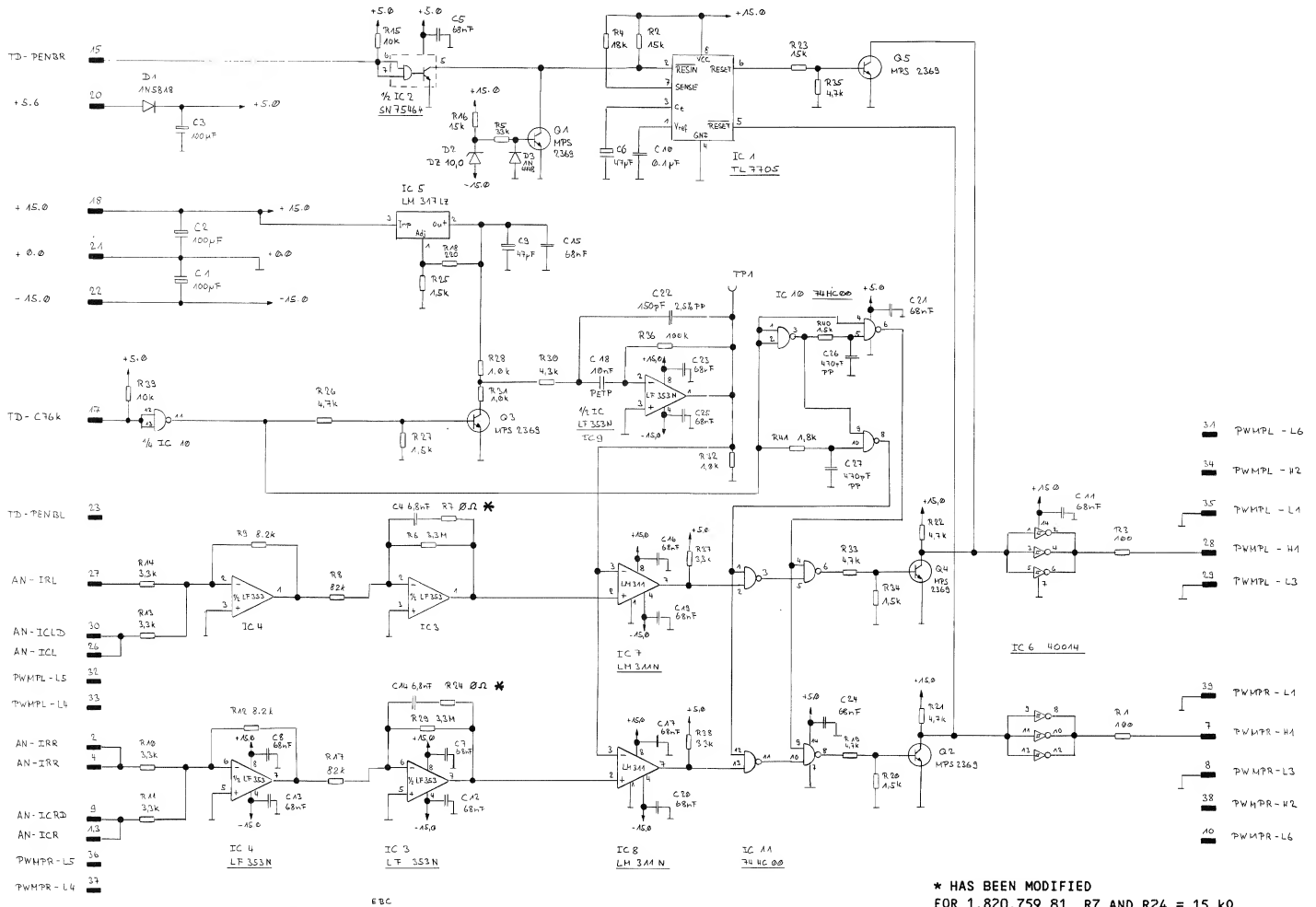
PUBLISHED: 09/86

BOARD LOCATION



PUBLISHED: 12/86

SPOOLING MOTOR DRIVER 1.820.759.82 PAGE 1



* HAS BEEN MODIFIED
FOR 1.820.759.81, R7 AND R24 = 15 kΩ
FOR 1.820.759.82, R7 AND R24 = 0 Ω

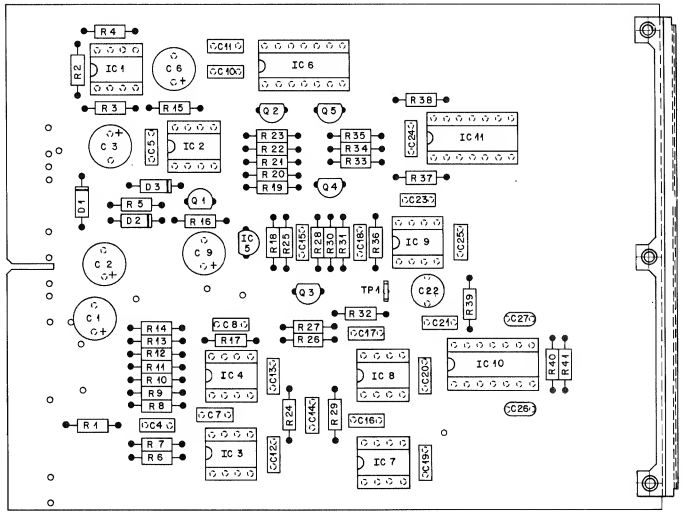
0 24.05.85 CK			PAGE 1 OF 1
STUDER	A 820 Tape Transport Section Spooling Motor Driver	SC	1.820.759.82

PUBLISHED: 08/86

SPOOLING MOTOR DRIVER 1.820.759.82 PAGE 2 (LAST)

COMPONENT SIDE

SPOOLING MOTOR DRIVER 1.820.759-82



INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.22.5101	100 uF	25V	
	C....2	59.22.5101	100 uF	25V	
	C....3	59.22.5101	100 uF		
	C....4	59.06.0682	6.8 nF	10%	
	C....5	59.06.0683	68 nF		
	C....6	59.22.5470	47 uF	25V	
	C....7	59.06.0683	68 nF		
	C....8	59.06.0683	68 nF		
	C....9	59.22.5470	47 uF	25V	
	C....10	59.06.0104	0.1 uF		
	C....11	59.06.0683	68 nF		
	C....12	59.06.0683	68 nF		
	C....13	59.06.0683	68 nF		
	C....14	59.06.0682	6.8 nF	10%	
	C....15	59.06.0683	68 nF		
	C....16	59.06.0683	68 nF		
	C....17	59.06.0683	68 nF		
	C....18	59.06.0103	10 nF		
	C....19	59.06.0683	68 nF		
	C....20	59.06.0683	68 nF		
	C....21	59.06.0683	68 nF		
	C....22	59.05.2151	150 pF	5%	
	C....23	59.06.0683	68 nF		
	C....24	59.06.0683	68 nF		
	C....25	59.06.0683	68 nF		
	C....26	59.34.5471	470 pF	5%	
	C....27	59.34.5471	470 pF	5%	
	D....1	50.04.0512	1N 5818	1N 5819	Mot
	D....2	50.04.1114	10 V		ITT+Ses
	D....3	50.34.0125	1N 4448		Fc+ITT+Ph+Ses+TF
	IC....1	50.11.0122	TL 7705		TI
	IC....2	50.09.0204	SN 75464P	OS 75464 N	NS+TI
	IC....3	50.09.0101	TL 072 CP	LF 353 N	NS+TI
	IC....4	50.09.0101	TL 072 CP	LF 353 N	NS+TI
	IC....5	50.10.0108	LM 317 LZ		Mot+Nat

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....6	50.07.0014	40014 BPC	MC14584 BPC	Mot+NS+Ph+To
	IC....7	50.11.0114	LM 311 N	LM 311 P	Mot+NS
	IC....8	50.11.0114	LM 311 N	LM 311 P	Mot+NS
	IC....9	50.09.0101	TL 072 CP	LF 353 N	NS+TI
	IC....10	50.17.1000	74 HC 00		Mot+NS+Ph+RCA+SGS+TI+To
	IC....11	50.17.1000	74 HC 00		Mot+NS+Ph+RCA+SGS+TI+To
	Q....1	50.03.0508	MPS 2369		Mot
	Q....2	50.03.0508	MPS 2369		Mot
	Q....3	50.03.0508	MPS 2369		Mot
	Q....4	50.03.0508	MPS 2369		Mot
	Q....5	50.03.0508	MPS 2369		Mot
	R....1	57.11.4101	100 Ohm		
	R....2	57.11.4153	15 kOhm		
	R....3	57.11.4101	100 Ohm		
	R....4	57.11.4183	18 kOhm	5%	
	R....5	57.11.4333	33 kOhm	5%	
	R....6	57.11.5335	3.3 MOhm		
	R....7	not used		(replaced by wire bridge)	
	R....8	57.11.4823	82 kOhm	5%	
	R....9	57.11.4822	8.2 kOhm	5%	
	R....10	57.11.4332	3.3 kOhm	5%	
	R....11	57.11.4332	3.3 kOhm	5%	
	R....12	57.11.4822	8.2 kOhm	5%	
	R....13	57.11.4332	3.3 kOhm	5%	
	R....14	57.11.4332	3.3 kOhm	5%	
	R....15	57.11.4103	10 kOhm		
	R....16	57.11.4153	15 kOhm	5%	
	R....17	57.11.4823	82 kOhm	5%	
	R....18	57.11.4221	220 Ohm	2%	
	R....19	57.11.4472	4.7 kOhm	5%	
	R....20	57.11.4152	1.5 kOhm	5%	
	R....21	57.11.4472	4.7 kOhm	5%	
	R....22	57.11.4472	4.7 kOhm	5%	
	R....23	57.11.4153	15 kOhm	5%	
★	R....24	not used		(replaced by wire bridge)	

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....25	57.11.4152	1.5 kOhm	2%	
	R....26	57.11.4472	4.7 kOhm	5%	
	R....27	57.11.4152	1.5 kOhm	5%	
	R....28	57.11.4102	1.0 kOhm	2%	
	R....29	57.11.5335	3.3 MOhm		
	R....30	57.11.3432	4.3 kOhm	1%	
	R....31	57.11.4102	1.0 kOhm	2%	
	R....32	57.11.4102	1.0 kOhm		
	R....33	57.11.4472	4.7 kOhm	5%	
	R....34	57.11.4152	1.5 kOhm	5%	
	R....35	57.11.4472	4.7 kOhm	5%	
	R....36	57.11.4104	100 kOhm		
	R....37	57.11.4332	3.3 kOhm	5%	
	R....38	57.11.4332	3.3 kOhm	5%	
	R....39	57.11.4103	10 kOhm		
	R....40	57.11.4152	1.5 kOhm	2%	
	R....41	57.11.4182	1.8 kOhm	2%	

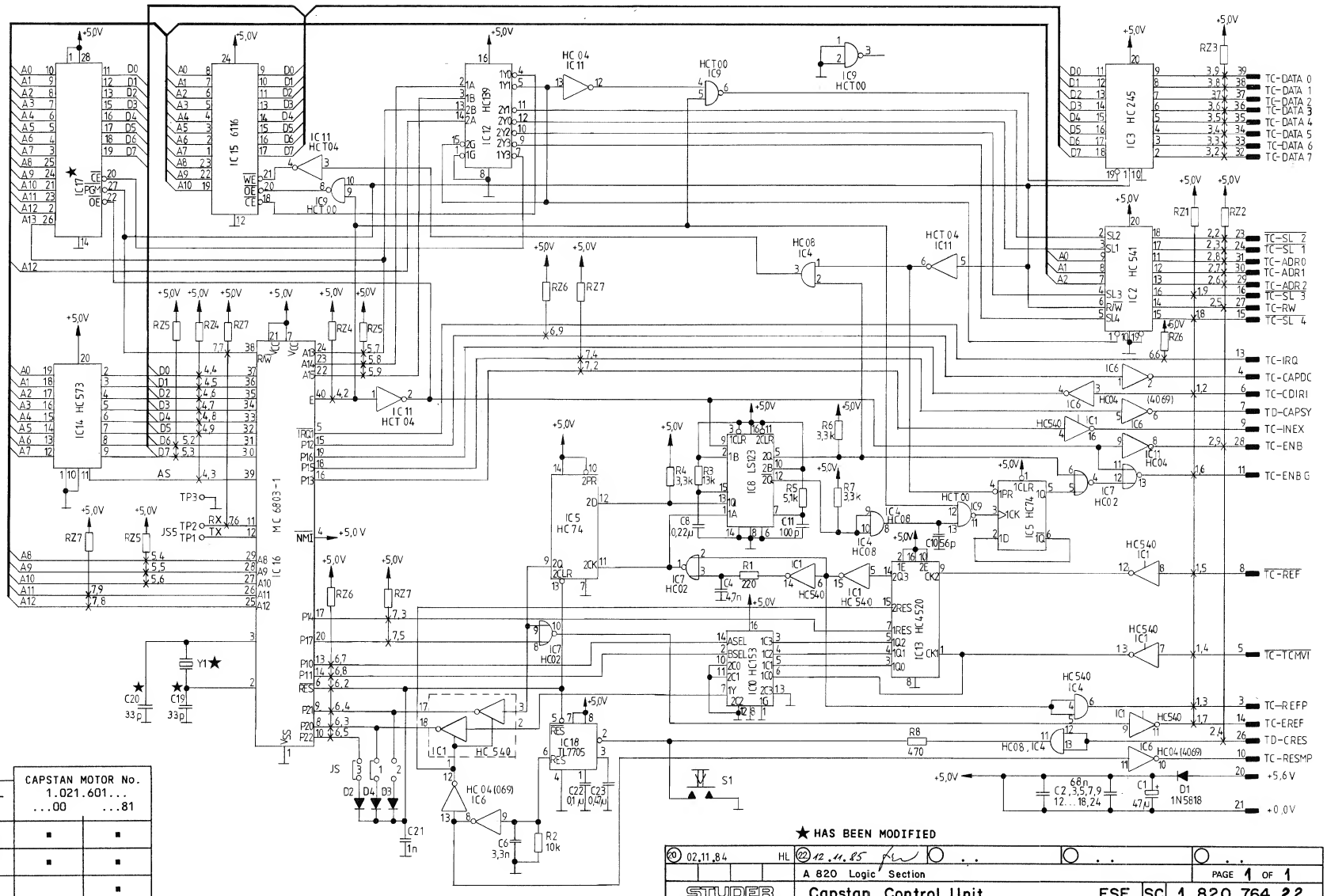
★ FOR 1.820.759.81, R7 AND R24 = 15 kΩ

Manufacturer: Fc=Fairchild, ITT=Intermetall, Mot=Motorola,
Nat=National, NS=National Semiconductors, Ph=Philips,
RCA=Radio Corporation of America, SES=Siemens,
SGS=SGS/Ates, Tf=Telefunken, TI=Texas Instruments,
To=Toshiba.

ORIG 85/08/05

PUBLISHED: 08/86

CAPSTAN CONTROL UNIT 1.820.764.00 PAGE 1



COMPATIBILITY:

CAPSTAN CONTROL UNIT No.	CAPSTAN MOTOR No. 1.021.601... ...00	...81
1.820.764.00	■	■
1.820.764.20	■	■
1.820.764.21		■
1.820.764.22		■

★ HAS BEEN MODIFIED

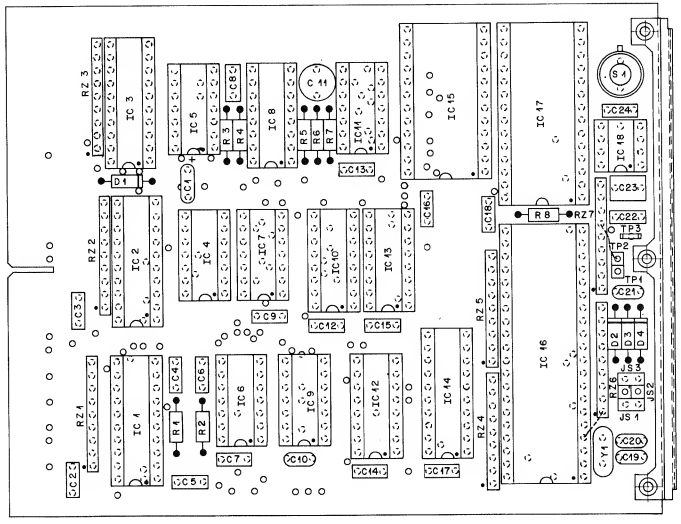
(20) 02.11.84	HL	(22) 12.11.85			
		A 820 Logic Section			PAGE 1 OF 1
STUDER	Capstan Control Unit		ESE	SC	1.820.764.22

PUBLISHED: 08/86

CAPSTAN CONTROL UNIT 1.820.764.00 PAGE 2 (LAST)

COMPONENT SIDE

CAPSTAN CONTROL UNIT 1.820.764-22



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	C.....1	59.26.0470	47 uF	20% 6.3V	Ph
(20)	C.....2	59.06.0683	68 nF	20%	
(20)	C.....3	59.06.0683	68 nF	20%	
(20)	C.....4	59.32.2472	4.7 nF	10%	
(20)	C.....5	59.06.0683	68 nF	20%	
(20)	C.....6	59.32.2332	3.3 nF	10%	
(20)	C.....7	59.06.0683	68 nF	20%	
(20)	C.....8	59.06.5224	220 nF	5%	
(20)	C.....9	59.06.0683	68 nF	20%	
(20)	C.....10	59.45.4560	56 pF	10%	
(20)	C.....11	59.05.4101	100 pF	1%	
(20)	C.....12	59.06.0683	68 nF	20%	
(20)	C.....13	59.06.0683	68 nF	20%	
(20)	C.....14	59.06.0683	68 nF	20%	
(20)	C.....15	59.06.0683	68 nF	20%	
(20)	C.....16	59.06.0683	68 nF	20%	
(20)	C.....17	59.06.0683	68 nF	20%	
(20)	C.....18	59.06.0683	68 nF	20%	
(20)	C.....19	59.45.1150	15 pF	5%	
(22)	C.....19	59.45.2330	33 pF	5%	
(20)	C.....20	59.45.1150	15 pF	5%	
(22)	C.....20	59.45.2330	33 pF	5%	
(20)	C.....21	59.32.4102	1 nF	20%	
(20)	C.....22	59.06.0104	100 nF	10%	
(20)	C.....23	59.06.9474	470 nF	10%	
(20)	C.....24	59.06.0683	68 nF	20%	
(20)	D.....1	50.04.0512	1N 5818	1N 5819	Mot
(20)	D.....2	50.04.0125	1N 4448		ITT+Phs+Sns+TI
(20)	D.....3	50.04.0125	1N 4448		ITT+Phs+Sns+TI
(20)	D.....4	50.04.0125	1N 4448		ITT+Phs+Sns+TI
(20)	IC.....1	50.17.1540	74 HC 540		Phs+Mot+NS+RCA+To+TI
(20)	IC.....2	50.17.1541	74 HC 541		Phs+Mot+NS+RCA+To+TI
(20)	IC.....3	50.17.1245	74 HC 245		Mot+Phs+RCA+To+TI
(20)	IC.....4	50.17.1008	74 HC 08		Phs+Mot+NS+RCA+To+TI
(20)	IC.....5	50.17.1074	74 HC 74		Phs+Mot+NS+RCA+To+TI

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	IC.....6	50.17.1004	74 HC 04		Phs+Mot+NS+RCA+To+TI
(20)	IC.....7	50.17.1002	74 HC 02		Phs+Mot+NS+RCA+To+TI
(20)	IC.....8	50.26.0123	74 LS 123		Mot+TI
(20)	IC.....9	50.17.1000	74 HC 00		Phs+Mot+NS+RCA+To+TI
(20)	IC.....10	50.17.1153	74 HC 153		Mot+Phs+RCA+To+TI
(20)	IC.....11	50.17.0004	74 HCT 04		Phs+NS+RCA
(20)	IC.....12	50.17.1139	74 HC 139		Phs+Mot+NS+RCA+SGS+To+TI
(20)	IC.....13	50.07.0520	4520 BPC	HEF 4520	Phs+Fc
(20)	IC.....14	50.17.1573	74 HC 573		Phs+Mot+NS+RCA+To+TI
(20)	IC.....15	50.14.0107	HM6116LP-3	MSM5128-15	Hs+OKI
(20)	IC.....16	50.14.0107	M68803G-1	H06803P-L	Hi+Mot
(00)	IC.....17			see note 1	
(20)	IC.....17	1.820.994.20		Software 13/85, Capstan Control	St
(21)	IC.....17	1.820.994.21		Software 35/85, Capstan Control	St
(20)	IC.....18	50.11.0122	TL7705ACP		TI
(20)	JS.....1			see note 2	
(20)	JS.....2			see note 2	
(20)	JS.....3			see note 2	
(20)	TP.....1			see note 2	
(20)	TP.....2			see note 2	
(20)	TP.....3	54.02.0320		Testpoint	
(20)	R.....1	57.11.4221	220 Ohm	2%	
(20)	R.....2	57.11.4103	10 kOhm	10%	
(20)	R.....3	57.11.3133	13 kOhm	2%	
(20)	R.....4	57.11.4332	3.3 kOhm	10%	
(20)	R.....5	57.11.3512	5.1 kOhm	2%	
(20)	R.....6	57.11.4332	3.3 kOhm	10%	
(20)	R.....7	57.11.4332	3.3 kOhm	10%	
(20)	R.....8	57.11.4471	470 Ohm	10%	
(20)	RZ.....1	57.88.4103		Network 8 * 10 kOhm (old part 1.010.014.57)	
(20)	RZ.....2	57.88.4103		Network 8 * 10 kOhm (old part 1.010.014.57)	
(20)	RZ.....3	57.88.4103		Network 8 * 10 kOhm (old part 1.010.014.57)	
(20)	RZ.....4	57.88.4332		Network 8 * 3.3 kOhm	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	RZ.....5	57.88.4332		Network 8 * 3.3 kOhm	
(20)	RZ.....6	57.88.4103		Network 8 * 10 kOhm (old part 1.010.014.57)	
(20)	RZ.....7	57.88.4332		Network 8 * 3.3 kOhm	
(20)	S.....1	55.03.0122		Switch impuls, see note 3	
(20)	Y.....1	89.01.0553		4.9152 MHz, TD10	
(22)	Y.....1	89.01.0560		4.9152 MHz, +- 20 ppm.	

(21) 85.08.12 software 35/85 (EPROM 16k * 8)

(22) 85.11.12 Improved quartz accuracy.

Note 1 - IC 17, for Software 13/85 only:

	Studer	50.14.0113
	Hitachi	HN 482764 G-3
	Intel	D 2764-3
	SGS/Ates	M 2764 F 1
	Texas Instruments	TMS 2764-25 JL

for Software 35/85 and future versions:

	Studer	50.14.0125
	Fujitsu	MoM 27128-30
	Hitachi	HN 4827128 G-25/HN 4827128 G-30
	Intel	27128 250ns

Note 2 - Contact pin:

	Studer	54.01.0020
	Berg	75 160-102-35
	Philips	2422 025 89303
Bridge:	Studer	54.01.0021
	Berg	65 474-001
	Philips	2422 024 88003

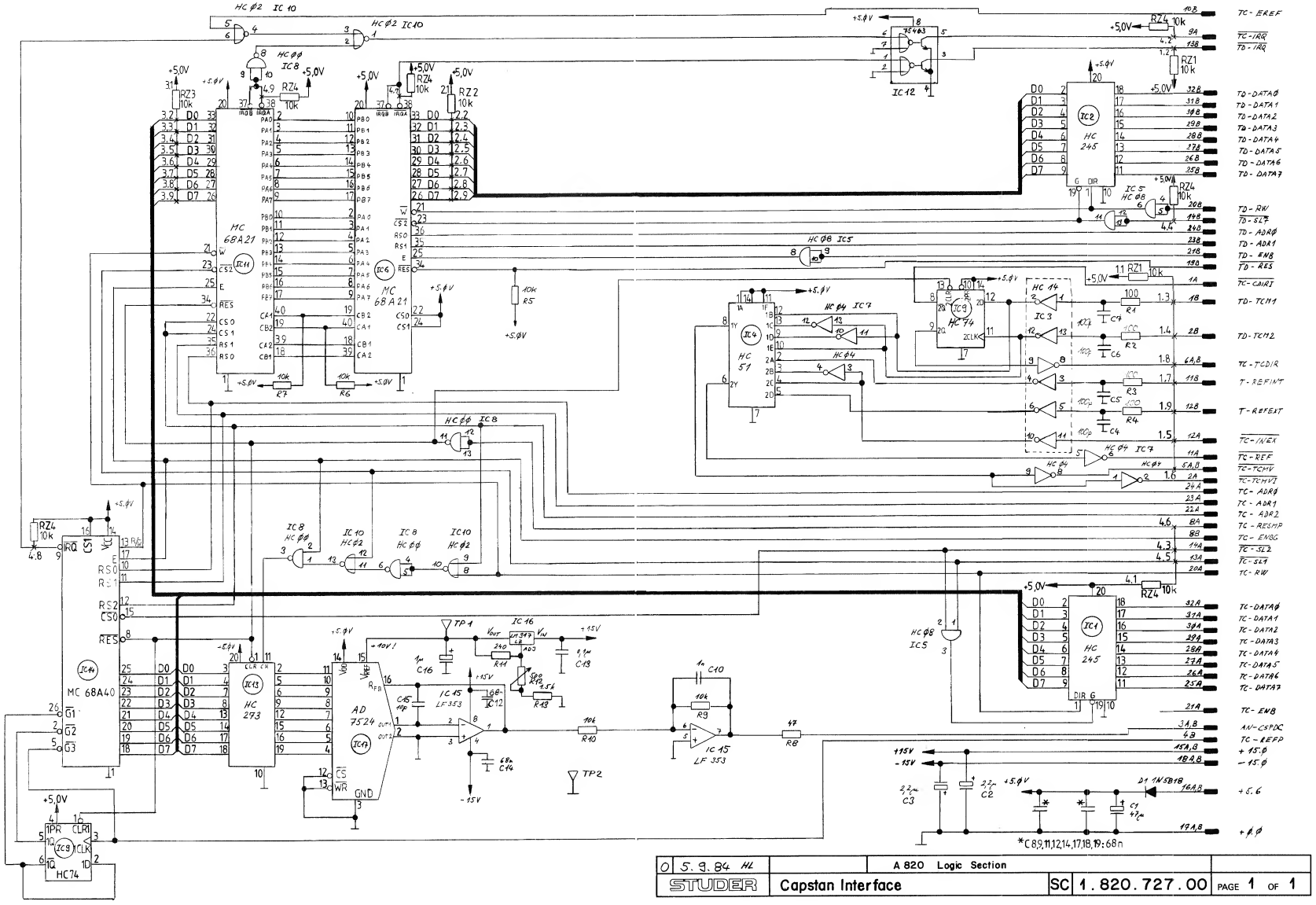
Note 3 - Switch impuls: Chicago Switch 34-550-001

MANUFACTURER: Fc=Fairchild, ITT=Intermetall, Hi=Hitachi,
Mot=Motorola, NS=National Semiconductors,
OKI=OKI Semiconductors, Ph=Philips,
RCA=Radio Corporation of America, Ses=Sescosem,
SGS=SGS-Ates, St=Studer, TI=Texas Instruments,
To=Toshiba.

DAIG 85/06/10 (20) 85/06/10 (21) 85/08/12 (22) 85/11/12

PUBLISHED: 08/86

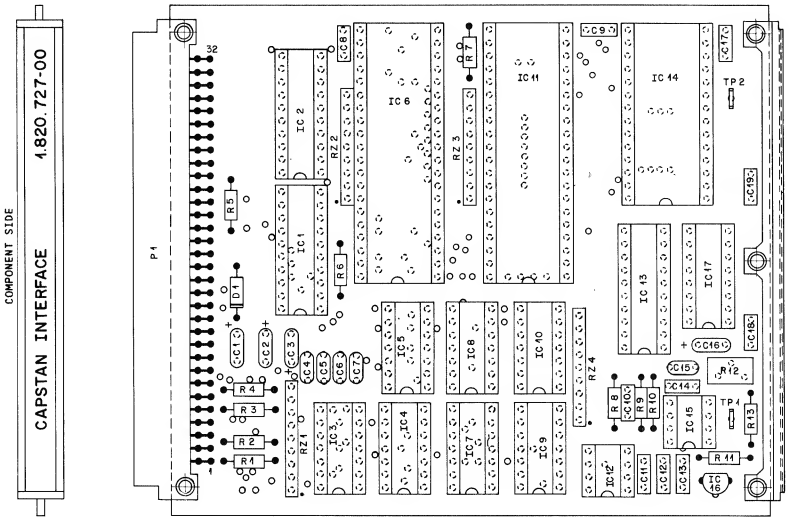
CAPSTAN INTERFACE 1.820.727.00 PAGE 1



0 5.9.84 HL		A 820 Logic Section		
STUDER	Capstan Interface	SC 1.820.727.00	PAGE 1	OF 1

PUBLISHED: 08/86

CAPSTAN INTERFACE 1.820.727.00 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.26.0470	47 uF	20% 6.3V	Ph
	C.....2	59.26.5229	2.2 uF	20% 16V	Ph
	C.....3	59.26.5229	2.2 uF	20% 16V	Ph
	C.....4	59.45.4101	100 pF	20%	Ph
	C.....5	59.45.4101	100 pF	20%	Ph
	C.....6	59.45.4101	100 pF	20%	Ph
	C.....7	59.45.4101	100 pF	20%	Ph
	C.....8	59.06.0683	68 nF	20%	Sie
	C.....9	59.06.0683	68 nF	20%	Sie
	C.....10	59.32.4102	1 nF	20%	Ph
	C.....11	59.06.0683	68 nF	20%	Sie
	C.....12	59.06.0683	68 nF	20%	Sie
	C.....13	59.06.0104	100 nF	20%	Sie
	C.....14	59.06.0683	68 nF	20%	Sie
	C.....15	59.45.1100	10 pF	10%	Ph
	C.....16	59.26.9109	1 uF	20% 16V	Ph
	C.....17	59.06.0683	68 nF	20%	Sie
	C.....18	59.06.0683	68 nF	20%	Sie
	C.....19	59.06.0683	68 nF	20%	Sie
	D.....1	50.04.0512	IN 5818	IN 5819	Mot
	IC.....1	50.17.1245	74 HC 245		Mot+Nat+To+Ph+RCA+TI
	IC.....2	50.17.1245	74 HC 245		Mot+Nat+To+Ph+RCA+TI
	IC.....3	50.17.1014	74 HC 14		Mot+NS+To+Ph+RCA+TI
	IC.....4	50.17.1051	74 HC 51		Mot+Nat+To+Ph+RCA+TI
	IC.....5	50.17.1008	74 HC 08		Mot+NS+To+Ph+RCA+TI
	IC.....6	50.16.0106	MC6821P	F6821PC	Mot+AMI+Fc
	IC.....7	50.17.1004	74 HC 04		Mot+NS+To+Ph+RCA+TI
	IC.....8	50.17.1000	74 HC 00		Mot+NS+To+Ph+RCA+TI
	IC.....9	50.17.1074	74 HC 74		Mot+NS+To+Ph+RCA+TI
	IC.....10	50.17.1002	74 HC 02		Mot+Nat+To+Ph+RCA+TI
	IC.....11	50.16.0106	MC6821P	F6821PC	Mot+AMI+Fc
	IC.....12	50.05.0203	SN75463P	DS3613N	TI+NS
	IC.....13	50.17.1273	74 HC 273		Mot+NS+To+Ph+RCA+TI
	IC.....14	50.16.0113	MC6840	H06840	Mot+Hi
	IC.....15	50.04.0101	TL072CP	LF353N	TI+NS

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC.....16	50.10.0108	LM 317 LZ		Nat+Mot
	IC.....17	50.07.0002	AD7524JN		AD1+MPS
	P.....1	54.11.2004		Plug see note 1	
	R.....1	57.11.4101	100 Ohm	10%	
	R.....2	57.11.4101	100 Ohm	10%	
	R.....3	57.11.4101	100 Ohm	10%	
	R.....4	57.11.4101	100 Ohm	10%	
	R.....5	57.11.4103	10 kOhm	10%	
	R.....6	57.11.4103	10 kOhm	10%	
	R.....7	57.11.4103	10 kOhm	10%	
	R.....8	57.11.4470	47 Ohm	10%	
	R.....9	57.11.4103	10 kOhm	5%	
	R.....10	57.11.4103	10 kOhm	5%	
	R.....11	57.11.3241	240 Ohm	10%	
	R.....12	58.05.0501	500 Ohm	Potentiometer, see note 2	
	R.....13	57.11.4152	1.5 kOhm	10%	
	RZ.....1	1.010.014.57	8*10 kOhm	10%	
	RZ.....2	1.010.014.57	8*10 kOhm	10%	
	RZ.....3	1.010.014.57	8*10 kOhm	10%	
	RZ.....4	1.010.014.57	8*10 kOhm	10%	
	TP.....1	54.02.0320		Testpoint	
	TP.....2	54.02.0320		Testpoint	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

Note 1 - Plug : 2 * 32 Euro board
Burndy PT 64 B 20 P00 F00 Z0
Erni 9722.563.191

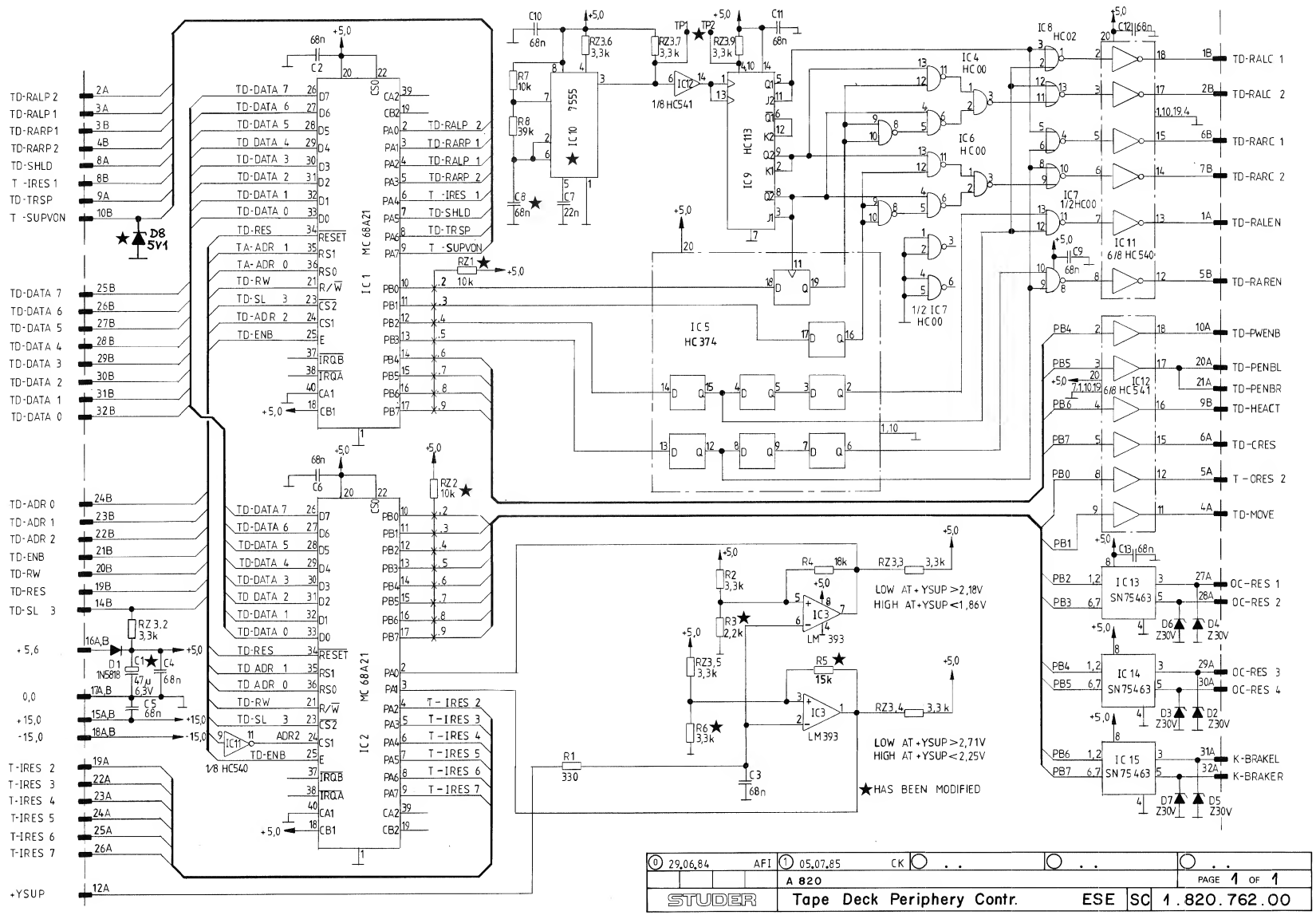
Note 2 - Potentiometer : 500 Ohm, 10%, .5W, PMG
Bourns 3296 Z - 1 - 501
Spectrol 64 Z 501 T 000

Manufacturer: AD1=Analog Devices Inc., AMI=American Microsystem Inc.,
Fc=Fairchild, HiHitachi, Mot=Motorola,
MPS=Micro Power Systems, Nat=National (Matsushite),
NS=National Semiconductors, Ph=Philips (incl. Valvo),
RCA=Radio Corporation of America, TI=Texas Instruments,
To=Toshiba.

ORIG 84/09/05

PUBLISHED: 08/86

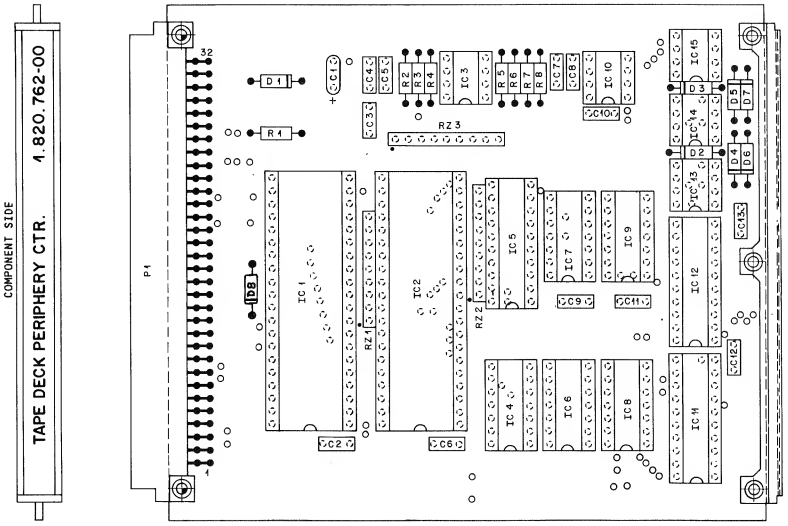
TAPE DECK PERIPHERY CONTR. 1.820.762.00 PAGE 1



0 29.06.84 AFI	1 05.07.85 CK				
	A 820				PAGE 1 OF 1
STUDER	Tape Deck Periphery Contr.	ESE	SC	1.820.762.00	

PUBLISHED: 08/86

TAPE DECK PERIPHERY CONTR. 1.820.762.00 PAGE 2 (LAST)



INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(00)	C.....1	59.41.5101	100 uF	20% 6.3V	
(01)	C.....1	59.26.0470	47 uF	20% 6.3V	
	C.....2	59.06.0683	68 nF	20%	
	C.....3	59.06.0683	68 nF	20%	
	C.....4	59.06.0683	68 nF	20%	
	C.....5	59.06.0683	68 nF	20%	
	C.....6	59.06.0683	68 nF	20%	
	C.....7	59.06.0223	22 nF	10%	
(00)	C.....8	59.06.0683	68 nF	20%	
(02)	C.....8	59.06.5683	68 nF	5%	
	C.....9	59.06.0683	68 nF	20%	
	C.....10	59.06.0683	68 nF	20%	
	C.....11	59.06.0683	68 nF	20%	
	C.....12	59.06.0683	68 nF	20%	
	C.....13	59.06.0683	68 nF	20%	
	D.....1	50.04.0512	1N 5818	1N 5819	Mot
	D.....2	50.04.1125	30 V Z	ZPD 30	ITT
	D.....3	50.04.1125	30 V Z	ZPD 30	ITT
	D.....4	50.04.1125	30 V Z	ZPD 30	ITT
	D.....5	50.04.1125	30 V Z	ZPD 30	ITT
	D.....6	50.04.1125	30 V Z	ZPD 30	ITT
	D.....7	50.04.1125	30 V Z	ZPD 30	ITT
(01)	D.....8	50.04.1112	5.1 V Z	BZX83C 5V1, BZX55C 5V1, ZPD 5.1	ITT,Ses
	IC....1	50.16.0106	MC68 A 21P	S68 A 21P	AMi,Fc,Mot
	IC....2	50.16.0106	MC68 A 21P	S68 A 21P	AMi,Fc,Mot
	IC....3	50.05.0283	LM 393 N	LM 393 P	NS,TI
	IC....4	50.17.1000	74 HC 00	.. 74 HC 00 .	Mot,NS,TI
	IC....5	50.17.1374	74 HC 374	.. 74 HC 374 .	Mot,NS,TI
	IC....6	50.17.1000	74 HC 00	.. 74 HC 00 .	Mot,NS,TI
	IC....7	50.17.1000	74 HC 00	.. 74 HC 00 .	Mot,NS,TI
	IC....8	50.17.1002	74 HC 02	.. 74 HC 02 .	Mot,NS,TI
	IC....9	50.17.1113	74 HC 113	.. 74 HC 113 .	Mot,NS,TI
(00)	IC....10	50.05.0198	MC 1455 P1	.. 555 ... HA 17555 PS	Fc,Hi,Mot,Ra,Sig
(02)	IC....10	50.07.0036	ICM7555IPA		Is,Ma
	IC....11	50.17.1540	74 HC 540	.. 74 HC 540 .	Mot,NS,TI

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....12	50.17.1541	74 HC 541	.. 74 HC 541 .	Mot,NS,TI
	IC....13	50.05.0203	SN 75463 P	OS 3613 N	NS,TI
	IC....14	50.05.0203	SN 75463 P	OS 3613 N	NS,TI
	IC....15	50.05.0203	SN 75463 P	OS 3613 N	NS,TI
	P.....1	54.11.2004		2 * 32 contacts, see note 1	
	R.....1	57.11.4331	330 Ohm	10%	
	R.....2	57.11.4332	3.3 kOhm	5%	
(00)	R.....3	57.11.4123	12 kOhm	5%	
(01)	R.....3	57.11.4222	2.2 kOhm	5%	
	R.....4	57.11.4183	18 kOhm	5%	
(00)	R.....5	57.11.4472	4.7 kOhm	5%	
(01)	R.....5	57.11.4153	15 kOhm	5%	
(00)	R.....6	57.11.4102	1.0 kOhm	5%	
(01)	R.....6	57.11.4332	3.3 kOhm	5%	
	R.....7	57.11.4103	10 kOhm	5%	
	R.....8	57.11.4393	39 kOhm	5%	
(00)	RZ....1	1.010.014.57	10 kOhm	10% See note 2	
(01)	RZ....1	57.88.4103	10 kOhm	10% See note 2	
(00)	RZ....2	1.010.014.57	10 kOhm	10% See note 2	
(01)	RZ....2	57.88.4103	10 kOhm	10% See note 2	
	RZ....3	57.88.4332	3.3 kOhm	10% See note 3	
(01)	TP....1	54.02.0320	test pin		
(01)	TP....2	54.02.0320	test pin		

(01) 85.07.05 Testing points TP1 and TP2 implemented.
Improved protection for IC 1, pin 9. (08).
(correction of values C1,R3,R5,R6,RZ1,RZ2 because mistake).

(02) 85.11.06 Improved frequency accuracy IC 10.

Note 1 - Connector:

2 * 32 Euro Print	
Burndy	P1 64 R 20 P00 F00 Z0
Erni	9722.563.191

Note 2 - Network:

8 * 10 kOhm, 5%, single line	
Bourns	4609 X - 101 - 103
Sprague	256 CJ 103 X 2 P0
Beckmann	L - 09 - 1 - R 10 kJ
Matsushita	F 9 E 10 K 5%
Taaa	MRG C 09 X 10 k J

Note 3 - Network:

8 * 3.3 kOhm, 5%, single line	
Bourns	4609 X - 101 - 332
Sprague	256 CJ 332 X 2 P0
Beckmann	L - 09 - 1 - R 3.3 k J
Matsushita	F 9 E 3.3 K 5%
Taaa	MRG C 09 X 3.3 k J

Manufacturer: AMi=American Microsystem Inc., Fc=Fairchild,
Hi=Hitachi, ITT=Intermetall, Is=Intersil, Ma=Maxim,
Mot=Motorola, NS=National Semiconductors,
Ph=Philips, Ra=Raytheon, RCA=RCA Corporation of America,
Sig=Signetics, TI=Texas Instruments, To=Toshiba.

ORIG 84/06/29 (01) 85/07/05 (02) 85/11/06

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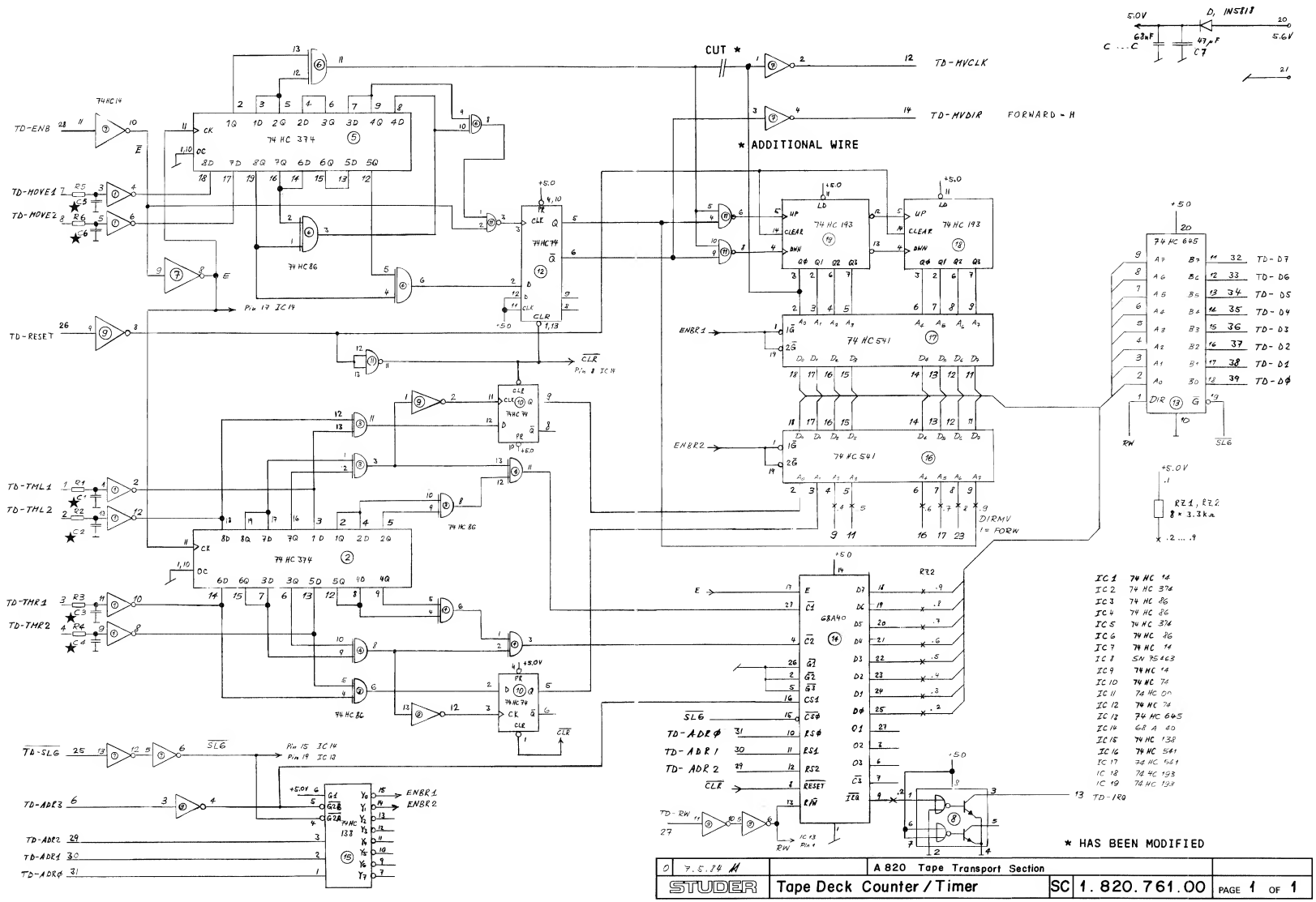
TAPE DECK COUNTER/TIMER 1.820.761.00 PAGE 1



0 7.5.84 M		A 820 Tape Transport Section		
STUDER	Tape Deck Counter / Timer	SC 1.820.761.00	PAGE 1	OF 1

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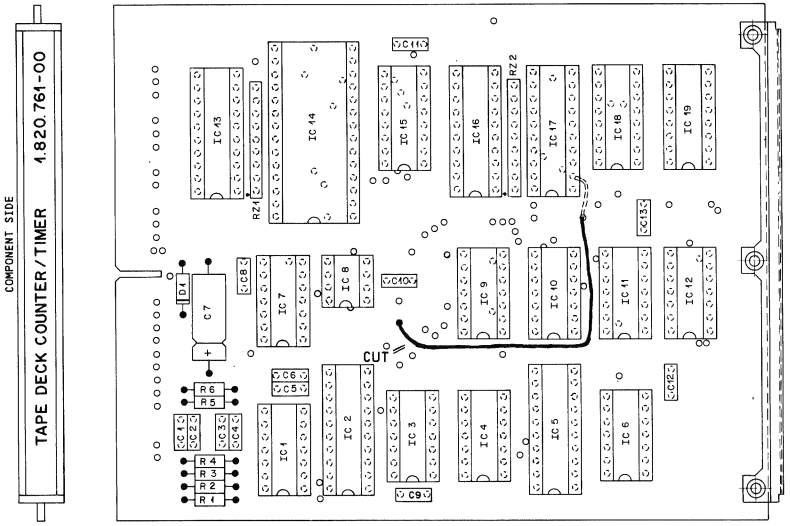
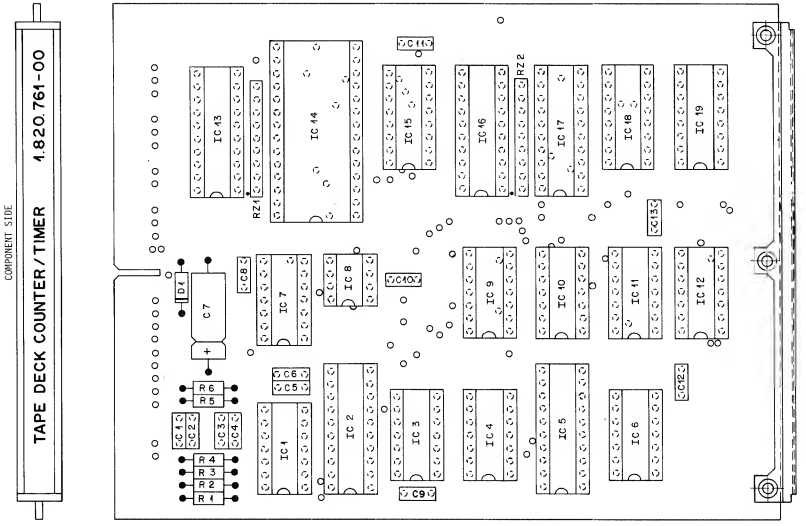


LAYOUT 1.820.761.12



LAYOUT 1.820.761.13

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	D.....1	50.04.0512	1N 5818	1N 5819	Mot
(00)	C.....1			not used	
(01)	C.....1	59.34.4331	330 pF	10%, Cer	
(00)	C.....2			not used	
(01)	C.....2	59.34.4331	330 pF	10%, Cer	
(00)	C.....3			not used	
(01)	C.....3	59.34.4331	330 pF	10%, Cer	
(00)	C.....4			not used	
(01)	C.....4	59.34.4331	330 pF	10%, Cer	
(00)	C.....5			not used	
(01)	C.....5	59.34.4331	330 pF	10%, Cer	
(00)	C.....6			not used	
(01)	C.....6	59.34.4331	330 pF	10%, Cer	
	C.....7	59.25.3470	47 uF	16V, El	
	C.....8	59.06.0683	68 nF		
	C.....9	59.06.0683	68 nF		
	C.....10	59.06.0683	68 nF		
	C.....11	59.06.0683	68 nF		
	C.....12	59.06.0683	68 nF		
	C.....13	59.06.0683	68 nF		
	IC.....1	50.17.1014	74 HC 14	.. 74 HC 14 .	Mot+NS+Ph+RCA+TI+To
	IC.....2	50.17.1374	74 HC 374	.. 74 HC 374 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....3	50.17.1086	74 HC 86	.. 74 HC 86 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....4	50.17.1086	74 HC 86	.. 74 HC 86 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....5	50.17.1374	74 HC 374	.. 74 HC 374 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....6	50.17.1086	74 HC 86	.. 74 HC 86 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....7	50.17.1014	74 HC 14	.. 74 HC 14 .	Mot+NS+Ph+RCA+TI+To
	IC.....8	50.05.0203	SN 75463 P	SN 75463 JG+ SN 55463 JG+ DS 3613 N	NS+TI
	IC.....9	50.17.1014	74 HC 14	.. 74 HC 14 .	Mot+NS+Ph+RCA+TI+To
	IC.....10	50.17.1074	74 HC 74	.. 74 HC 74 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....11	50.17.1000	74 HC 00	.. 74 HC 00 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....12	50.17.1074	74 HC 74	.. 74 HC 74 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....13	50.17.1645	74 HC 645	.. 74 HC 645 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....14	50.16.0113	MC 68A 40P	H0 68A 40P	Hi+Mot
	IC.....15	50.17.1138	74 HC 138	.. 74 HC 138 .	Mot+NS+Ph+RCA+SGS+TI+To

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC.....16	50.17.1541	74 HC 541	.. 74 HC 541 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....17	50.17.1541	74 HC 541	.. 74 HC 541 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....18	50.17.1193	74 HC 193	.. 74 HC 193 .	Mot+NS+Ph+RCA+SGS+TI+To
	IC.....19	50.17.1193	74 HC 193	.. 74 HC 193 .	Mot+NS+Ph+RCA+SGS+TI+To
	R.....1	57.11.4101	100 Ohm		
	R.....2	57.11.4101	100 Ohm		
	R.....3	57.11.4101	100 Ohm		
	R.....4	57.11.4101	100 Ohm		
	R.....5	57.11.4101	100 Ohm		
	R.....6	57.11.4101	100 Ohm		
	RZ.....1	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	
	RZ.....2	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	

(01) 86-04-07 Improved noise suppression on tacho signals.

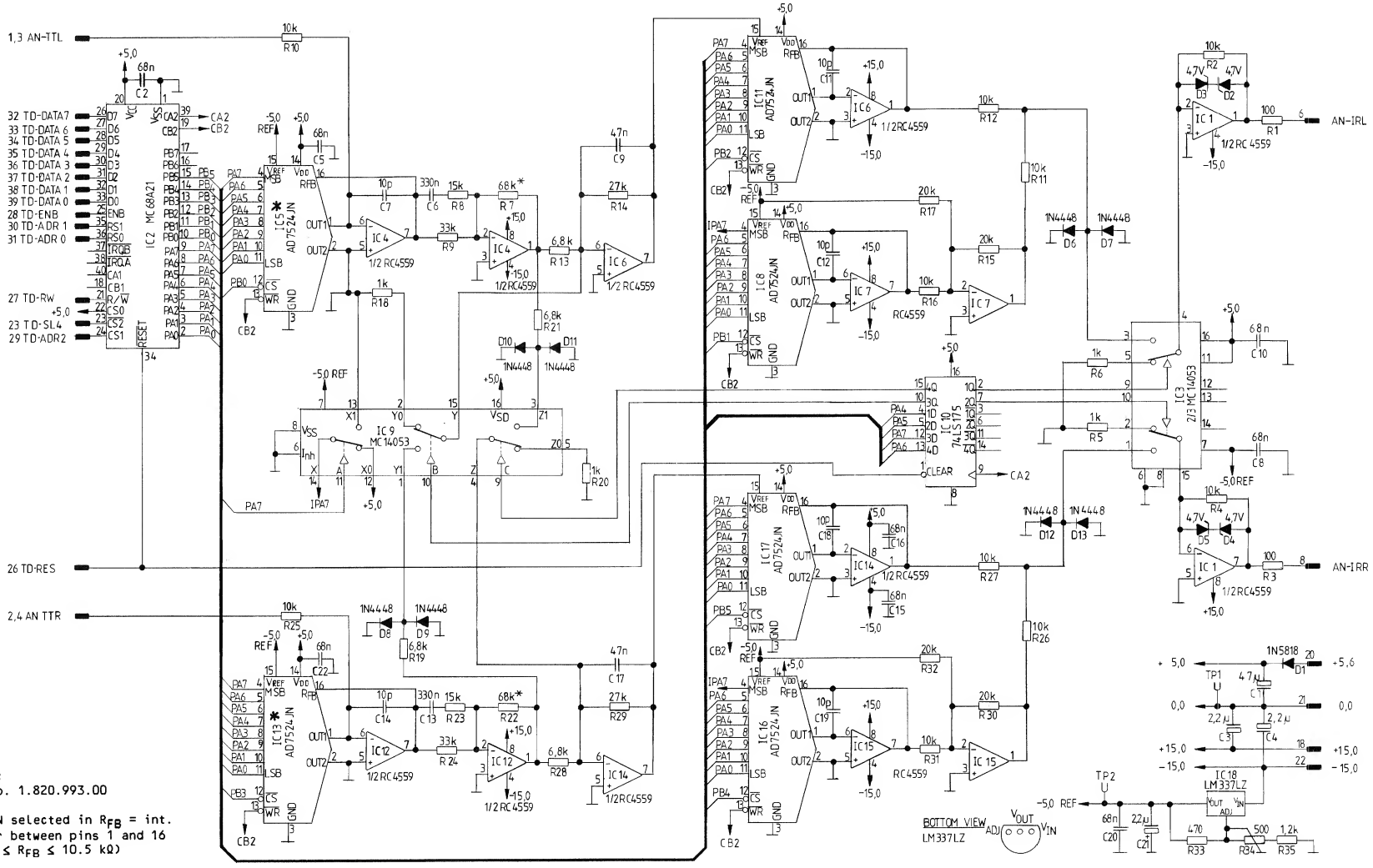
Cer=Ceramic, El=Electrolytic

MANUFACTURER: Hi=Hitachi, Mot=Motorola, NS=National Semiconductors,
Ph=Philips, RCA=RCA Corporation, SGS=SGS/Ates,
TI=Texas Instruments, To=Toshiba.

ORIG 84/05/07 (01) 86/04/07

PUBLISHED: 08/86

SPOOLING MOTOR CONTROLLER 1.820.760.00 PAGE 1



Note:
IC5, IC13:
- Order No. 1.820.993.00 or:
- AD7524JN selected in R_{FB} = int. Resistor between pins 1 and 16 ($9.5\ k\Omega \leq R_{FB} \leq 10.5\ k\Omega$)

0 20.11.84 afi	1 28.03.85 ck	. .	. .	. .
	A 820			PAGE 1 OF 1
STUDER	Spooling Motor Controller		SC	1.820.760.00

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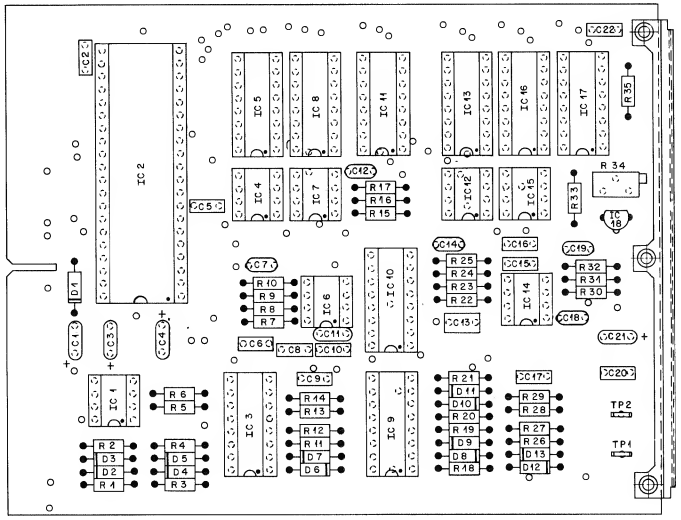
SPOOLING MOTOR CONTROLLER 1.820.760.00 PAGE 2 (LAST)

COMPONENT SIDE

SPOOLING MOTOR CONTROLLER 1.820.760-00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.26.0470	47 uF	6.3V, Sal	
	C....2	59.06.0683	68 nF		
	C....3	59.26.5229	2.2 uF	25V, Sal	
	C....4	59.26.5229	2.2 uF	25V, Sal	
	C....5	59.06.0683	68 nF		
	C....6	59.06.0334	330 nF	10%	
	C....7	59.34.1100	10 pF	Ce	
	C....8	59.06.0683	68 nF		
	C....9	59.06.0473	47 nF	10%	
	C....10	59.06.0683	68 nF		
	C....11	59.34.1100	10 pF	Ce	
	C....12	59.34.1100	10 pF	Ce	
	C....13	59.06.0334	330 nF	10%	
	C....14	59.34.1100	10 pF	Ce	
	C....15	59.06.0683	68 nF		
	C....16	59.06.0683	68 nF		
	C....17	59.06.0473	47 nF	10%	
	C....18	59.34.1100	10 pF	Ce	
	C....19	59.34.1100	10 pF	Ce	
	C....20	59.06.0683	68 nF		
	C....21	59.26.5229	2.2 uF	25V, Sal	
	C....22	59.06.0683	68 nF		
	D....1	50.04.0512	1N 5818	1N 5819	Mot
	D....2	50.04.1123	4.7 V, Z	BZX83C 4V7, BZX55C 4V7, ZPD 4.7	ITT,Ses
	D....3	50.04.1123	4.7 V, Z	BZX83C 4V7, BZX55C 4V7, ZPD 4.7	ITT,Ses
	D....4	50.04.1123	4.7 V, Z	BZX83C 4V7, BZX55C 4V7, ZPD 4.7	ITT,Ses
	D....5	50.04.1123	4.7 V, Z	BZX83C 4V7, BZX55C 4V7, ZPD 4.7	ITT,Ses
	D....6	50.04.0125	1N 4448		
	D....7	50.04.0125	1N 4448		
	D....8	50.04.0125	1N 4448		
	D....9	50.04.0125	1N 4448		
	D....10	50.04.0125	1N 4448		
	D....11	50.04.0125	1N 4448		
	D....12	50.04.0125	1N 4448		
	D....13	50.04.0125	1N 4448		

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....1	50.09.0107	RC 4559 N8	uPC 4559, slew rate min. 1.5 V/us	NEC,Ra
	IC....2	50.16.0106	MC68 A 21P	S68 A 21P, P68 A 21P	AMI,Fc,Mot
	IC....3	50.07.0015	MC14053BCP	... 4053 ...	Mot,NS,Ph,RCA,To
	IC....4	50.09.0107	RC 4559 N8	uPC 4559, slew rate min. 1.5 V/us	NEC,Ra
(00)	IC....5	50.07.0002	AD 7524 JN	MP 7524 JN	ADI,MPS
(02)	IC....5	1.820.993.00		See note 1	St
	IC....6	50.09.0107	RC 4559 N8	uPC 4559, slew rate min. 1.5 V/us	NEC,Ra
	IC....7	50.09.0107	RC 4559 N8	uPC 4559, slew rate min. 1.5 V/us	NEC,Ra
	IC....8	50.07.0002	AD 7524 JN	MP 7524 JN	ADI,MPS
	IC....9	50.07.0015	MC14053BCP	... 4053 ...	Mot,NS,Ph,RCA,To
	IC....10	50.06.0175	TM LS 175	... 74 LS 175 .	NSC,SigTI
	IC....11	50.07.0002	AD 7524 JN	MP 7524 JN	ADI,MPS
	IC....12	50.09.0107	RC 4559 N8	uPC 4559, slew rate min. 1.5 V/us	NEC,Ra
(09)	IC....13	50.07.0002	AD 7524 JN	MP 7524 JN	ADI,MPS
(02)	IC....13	1.820.991.00		See note 1	St
	IC....14	50.09.0107	RC 4559 N8	uPC 4559, slew rate min. 1.5 V/us	NEC,Ra
	IC....15	50.09.0107	RC 4559 N8	uPC 4559, slew rate min. 1.5 V/us	NEC,Ra
	IC....16	50.07.0002	AD 7524 JN	MP 7524 JN	ADI,MPS
	IC....17	50.07.0002	AD 7524 JN	MP 7524 JN	ADI,MPS
	IC....18	50.18.0109	LM 337 LZ		NS
	TP....1	54.02.0320		Test point	
	TP....2	54.02.0320		Test point	
	R....1	57.11.4101	100 Ohm		
	R....2	57.11.4103	10 kOhm	5%	
	R....3	57.11.4101	100 Ohm		
	R....4	57.11.4103	10 kOhm	5%	
	R....5	57.11.4102	1 kOhm		
	R....6	57.11.4102	1 kOhm		
(00)	R....7	57.11.4333	33 kOhm	5%	
(01)	R....7	57.11.4683	68 kOhm	5%	
	R....8	57.11.4153	15 kOhm	5%	
	R....9	57.11.4333	33 kOhm	5%	
	R....10	57.11.4103	10 kOhm	5%	
	R....11	57.11.4103	10 kOhm	5%	
	R....12	57.11.4103	10 kOhm	5%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....13	57.11.4682	6.8 kOhm	5%	
	R....14	57.11.4273	27 kOhm	5%	
	R....15	57.11.3203	20 kOhm	5%	
	R....16	57.11.4103	10 kOhm	5%	
	R....17	57.11.3203	20 kOhm	5%	
	R....18	57.11.4102	1 kOhm	5%	
	R....19	57.11.4682	6.8 kOhm	5%	
	R....20	57.11.4102	1 kOhm	5%	
	R....21	57.11.4682	6.8 kOhm	5%	
(00)	R....22	57.11.4333	33 kOhm	5%	
(01)	R....22	57.11.4683	68 kOhm	5%	
	R....23	57.11.4153	15 kOhm	5%	
	R....24	57.11.4333	33 kOhm	5%	
	R....25	57.11.4103	10 kOhm	5%	
	R....26	57.11.4103	10 kOhm	5%	
	R....27	57.11.4103	10 kOhm	5%	
	R....28	57.11.4682	6.8 kOhm	5%	
	R....29	57.11.4273	27 kOhm	5%	
	R....30	57.11.3203	20 kOhm	5%	
	R....31	57.11.4103	10 kOhm	5%	
	R....32	57.11.3203	20 kOhm	5%	
	R....33	57.11.4471	470 Ohm	5%	
	R....34	58.05.0501	500 Ohm		
	R....35	57.11.4122	1.2 kOhm	5%	

(01) 85.03.28 Improved response of tape tension control.

(02) 85.09.19 Narrow of tape tension feed-back gain.

Note 1: Use 1.820.993-00 or AD 7524 JN (Studer-No 50070002) selected in Rfb 10 kOhm +-5% (9.5 to 10.5 kOhm + resistor between pins 1 and 16).

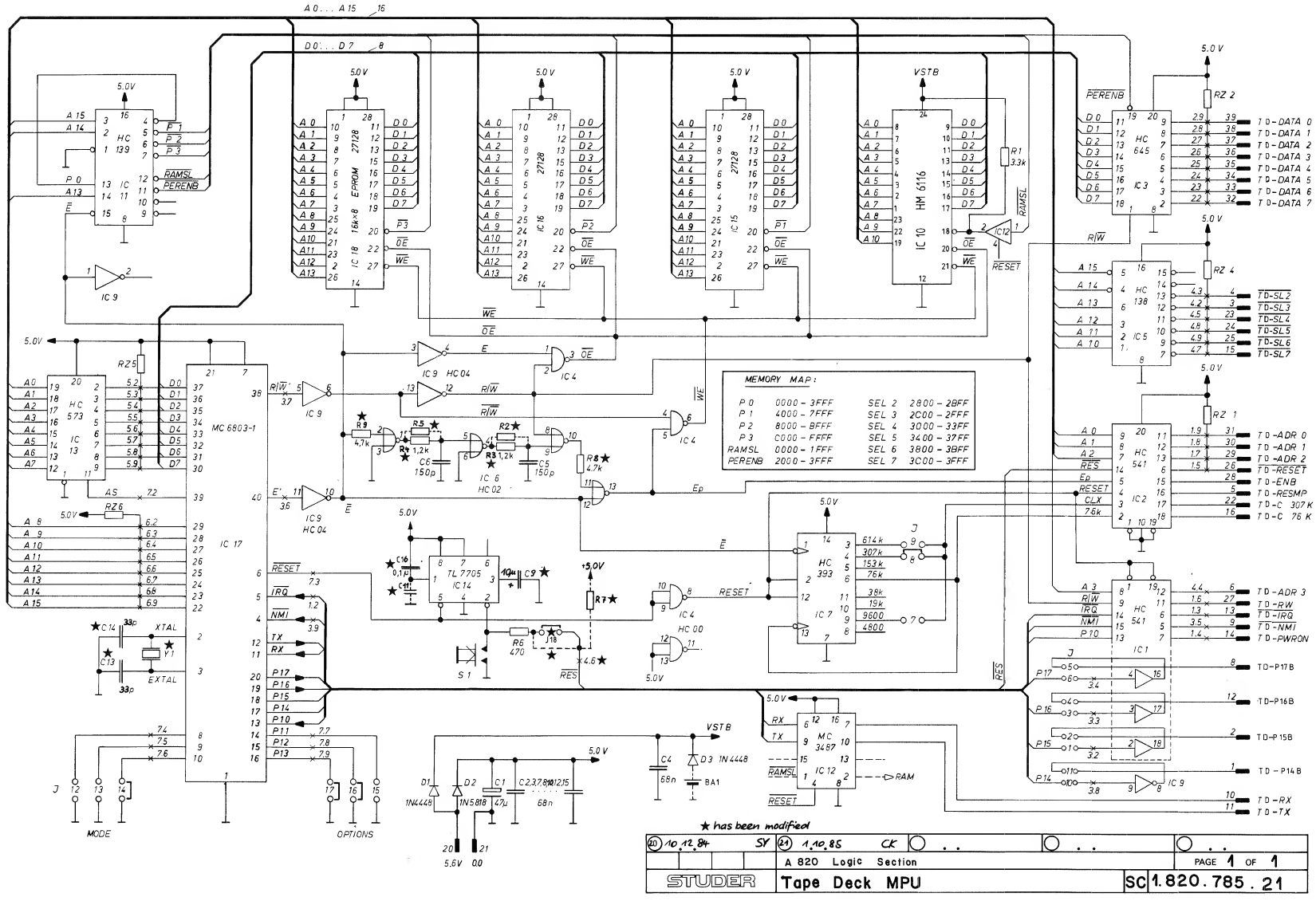
Ce=Ceramic, Sal=Solid aluminium

MANUFACTURER: ADI=Analog Devices Inc., AMI=American Microsystem Inc., Fc=Fairchild, Mot=Motorola, MPS=Micropower Semicond., NEC=Nippon Electric Corp., NS=National Semiconductors, Ph=Philips, Ra=Raytheon, RCA=RCA Corp. of America, Sig=Signetics, TI=Texas Instruments

DRIG 84/11/20 (01) 85/03/28 (02) 85/09/19

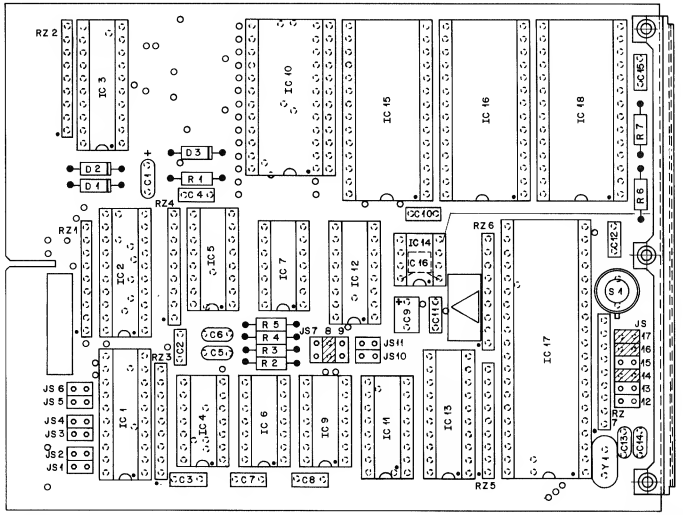
PUBLISHED: 08/86

MP-UNIT TD CONTROL 1.820.785.00 PAGE 1



MP-UNIT TD CONTROL 1.820.785.00 PAGE 2 (LAST)

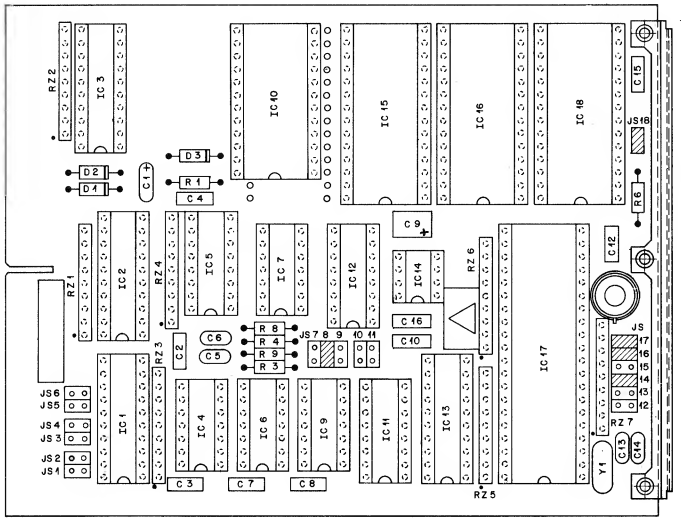
COMPONENT SIDE
MP-UNIT TD CONTROL 1.820.785-20



1.820.785.20

INSERTED:
JS 8, 14, 46, 47

COMPONENT SIDE
MP-UNIT TD CONTROL 1.820.785-21



1.820.785.21

INSERTED:
JS 8, 14, 16, 17, 18

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	C.....1	57.20.0470	47 uF	20%, 6.3V , Sal	Ph
(20)	C.....2	59.06.0563	68 nF	10%, 63V , PETP	
(20)	C.....3	59.06.0683	68 nF	10%, 63V , PETP	
(20)	C.....4	59.06.0683	68 nF	10%, 63V , PETP	
(20)	C.....5	57.34.7151	150 pF	2%, Ce	
(21)	C.....6	57.34.7151	150 pF	2%, Ce	
(20)	C.....7	59.06.0683	68 nF	10%, 63V , PETP	
(20) ★	C.....8	59.06.0683	68 nF	10%, 63V , PETP	
(20)	C.....9	59.06.0474	470 nF	10%, 63V , PETP	
(20)	C.....10	59.06.0683	68 nF	10%, 63V , PETP	
(20)	C.....11	59.06.0104	100 nF	10%, 63V , PETP	
(21)	C.....11		not used		
(20)	C.....12	59.06.0683	68 nF	10%, 63V , PETP	
(20)	C.....13	57.34.1150	15 pF	5%, Ce	
(21)	C.....13	57.34.2330	33 pF	5%, Ce	
(20)	C.....14	57.34.1150	15 pF	5%, Ce	
(21)	C.....14	57.34.2330	33 pF	5%, Ce	
(20)	C.....15	59.06.0683	68 nF	10%, 63V , PETP	
(20)	C.....16	59.06.0683	68 nF	10%, 63V , PETP	
(21)	C.....16	59.06.0104	100 nF	10%, 63V , PETP	
(20)	D.....1	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
(20)	D.....2	50.04.0512	1N 5818	1N 5819	Mot
(20)	D.....3	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
(20)	IC.....1	50.17.1941	74 HC 541		Mot,NS,Ph,RCA,SGS,Tl,To
(20)	IC.....2	50.17.1941	74 HC 541		Mot,NS,Ph,RCA,SGS,Tl,To
(20)	IC.....3	50.17.1845	74 HC 645		Mot,NS,Ph,RCA,SGS,Tl,To
(20)	IC.....4	50.17.1000	74 HC 00		Mot,NS,Ph,RCA,SGS,Tl,To
(20)	IC.....5	50.17.1138	74 HC 138		Mot,NS,Ph,RCA,SGS,Tl,To
(20)	IC.....6	50.17.1002	74 HC 02		Mot,NS,Ph,RCA,SGS,Tl,To
(20)	IC.....7	50.17.1393	74 HC 393		Mot,NS,Ph,RCA,SGS,Tl,To
(20)	IC.....8				
(20)	IC.....9	50.17.0004	74 HCT 04		Mot,NS,Ph,RCA,SGS,Tl,To
(20)	IC.....10	50.14.0127	HM6116LP-4	HM 5128-15	Hi,OKI
(20)	IC.....11	50.17.1139	74 HC 139		Mot,NS,Ph,RCA,SGS,Tl,To
(20)	IC.....12	50.15.0105	MC 3487 P	DS 3487 N	Mot,NS

S T U D E R (21) 85/10/18 Ps MP-UNIT TD CONTROL 1.820.785.00 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	IC.....13	50.17.1573	74 HC 573		Mot,NS,Ph,RCA,SGS,Tl,To
(20)	IC.....14	50.11.0122	TL7705ACP		TI
	IC.....15		not used		
(20)	IC.....16	50.14.0125	27128	HN 48271286-30	Hi,It
(20)	IC.....16	1.820.995.20		see note 1	
(20)	IC.....17	50.16.0107	MC6803P-1	6803P-L	Mot,Hi
(20)	IC.....18	50.14.0125	27128	HN 48271286-30	Hi,It
(20)	IC.....18	1.820.995.20		see note 1	
(20)	JS.....1			see note 2	
(20)	JS.....2			see note 2	
(20)	JS.....3			see note 2	
(20)	JS.....4			see note 2	
(20)	JS.....5			see note 2	
(20)	JS.....6			see note 2	
(20)	JS.....7			see note 2	
(20)	JS.....8			see note 2	
(20)	JS.....9			see note 2	
(20)	JS.....10			see note 2	
(20)	JS.....11			see note 2	
(20)	JS.....12			see note 2	
(20)	JS.....13			see note 2	
(20)	JS.....14			see note 2	
(20)	JS.....15			see note 2	
(20)	JS.....16			see note 2	
(20)	JS.....17			see note 2	
(21)	JS.....18			see note 2	
(20)	R.....1	57.11.4332	3.3 kOhm	2%	
(20)	R.....2	57.11.4333	33 kOhm	2%	
(21)	R.....2		not used		
(20)	R.....3	57.11.3182	1.8 kOhm	1%	
(21)	R.....3	57.11.4122	1.2 kOhm	2%	
(20)	R.....4	57.11.3182	1.8 kOhm	1%	
(21)	R.....4	57.11.4122	1.2 kOhm	2%	
(20)	R.....5	57.11.4333	33 kOhm	2%	
(21)	R.....5		not used		

S T U D E R (21) 85/10/18 P3 MP-UNIT TD CONTROL 1.820.785.00 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	R.....6	57.11.4471	470 Ohm	2%	
(20)	R.....7	57.11.4332	3.3 kOhm	2%	
(21)	R.....7		not used		
(21)	R.....8	57.11.4472	4.7 kOhm	2%	
(21)	R.....9	57.11.4472	4.7 kOhm	2%	
(20)	RZ....1	57.88.4332		see note 3	
(20)	RZ....2	57.88.4332		see note 3	
(20)	RZ....3	57.88.4332		see note 3	
(20)	RZ....4	57.88.4332		see note 3	
(20)	RZ....5	57.88.4332		see note 3	
(20)	RZ....6	57.88.4332		see note 3	
(20)	RZ....7	57.88.4332		see note 3	
(20)	S.....1	55.03.0122		Chicago Switch 34-550-001	
(20)	Y.....1	89.01.0553		4.9152 MHz, TD 18	
(21)	Y.....1	89.01.0563		4.9152 MHz, +-100 ppm	

S T U D E R (21) 85/10/18 Ps MP-UNIT TD CONTROL 1.820.785.00 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	85.09.19 PCB layout -11.				
(21)	85.10.18 Improved noise suppression of reset circuit and improved timing of E-pulse (PCB layout -12).				

Note 1 - IC15/16/18 : Software is delivered in a set only.

Note 2 - Contact pins:

	Studer	Nr. 54.01.0020
	Berg	Nr. 75 160-102-36
	Philips	Nr. 2422 025 89303
Bridges:	Studer	Nr. 54.01.0021
	Berg	Nr. 65 474-001
	Philips	Nr. 2422 024 88003

Note 3 - Networks:
8 * 3.3 kOhm, 5%
Sicovend Nr. C09 x 3.3 k J
Ineltra Nr. R88 3.3 k 54

Cer=Ceramic, Sal=Solid Aluminium

MANUFACTURER: Fc=Fairchild, Hi=Hitachi, ITT=Intermetall, Mot=Motorola, NS=National Semiconductors, OK=OKI, Ph=Philips, Ses=Sescosem, Tf=Telefunken, Tl=Texas Instruments.

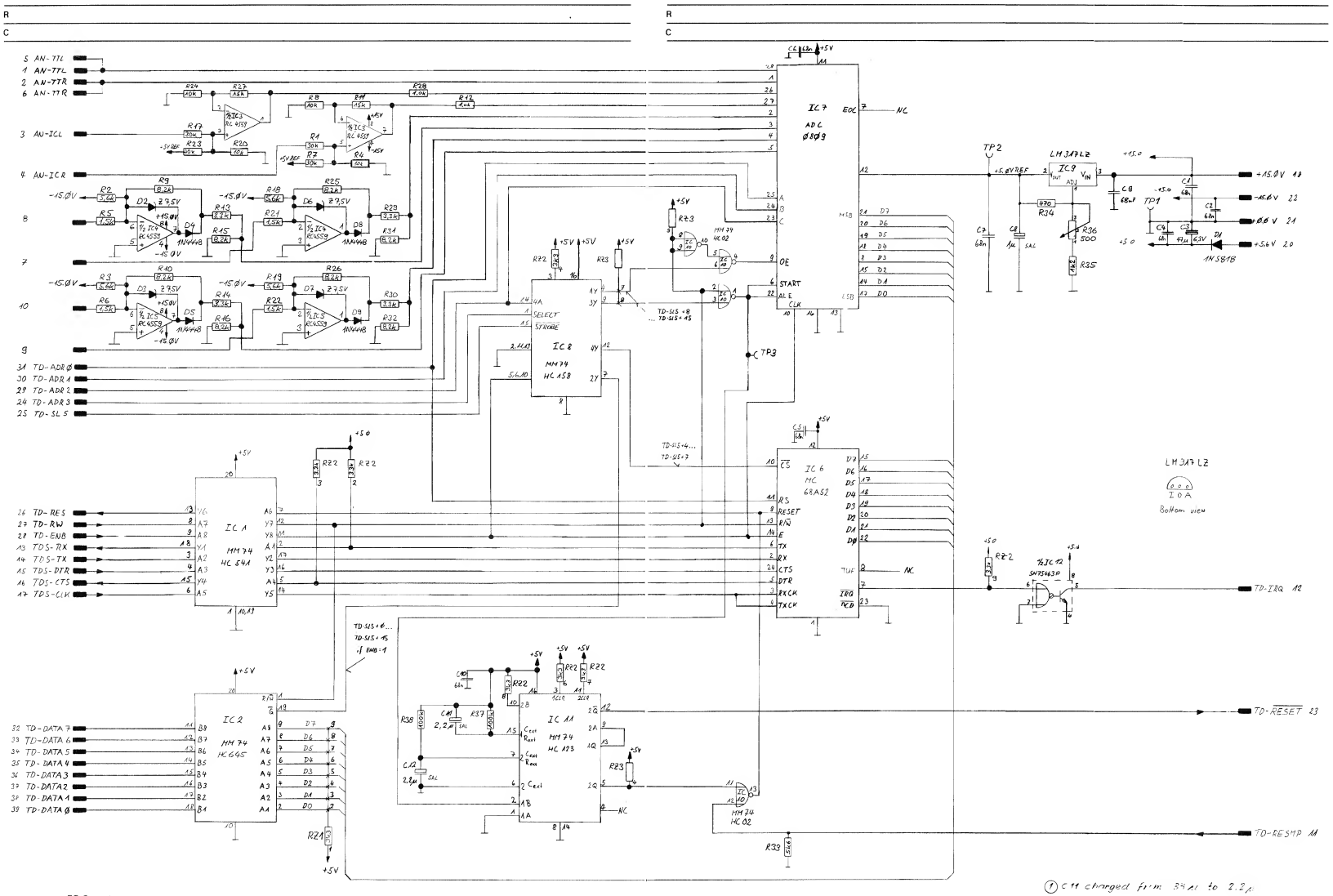
★ C9:
0.47 µF
replaced by:
10 µF Part No. 59.26.2100

TRIG 85/06/10 (20) 85/06/10 (21) 85/10/18

S T U D E R (21) 85/10/18 Ps MP-UNIT TD CONTROL 1.820.785.00 PAGE 4

PUBLISHED: 08/86

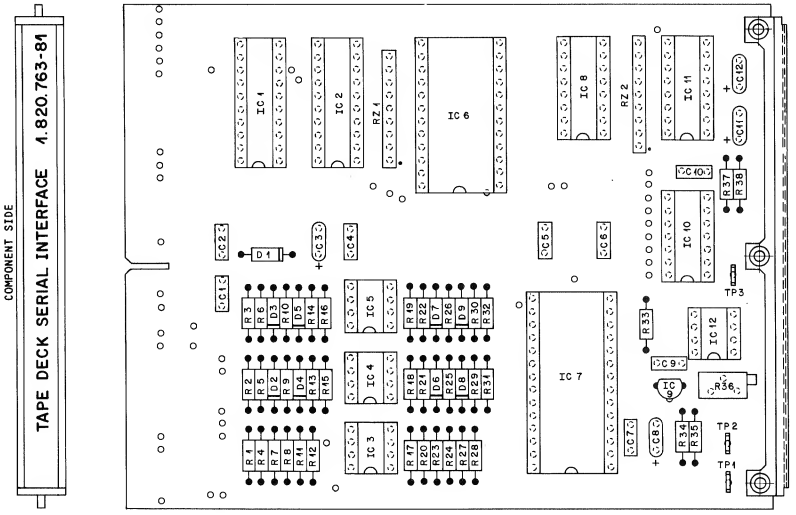
TAPE DECK SERIAL IF 1.820.763.81 PAGE 1



② 12.12.84 WE	① 30.4.85 CK	A820 Logic Section			
STUDER	Tape Deck Serial Interface	ESE	SC	1.820.763.81	PAGE 1 OF 1

PUBLISHED: 08/86

TAPE DECK SERIAL IF 1.820.763.81 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.06.0683	68 nF	20%	NS,Mot
	C.....2	59.06.0683	68 nF	20%	NS,Mot
	C.....3	59.42.0470	47 uF	20%	Ph
	C.....4	59.06.0683	68 nF	20%	NS,Mot
	C.....5	59.06.0683	68 nF	20%	NS,Mot
	C.....6	59.06.0683	68 nF	20%	NS,Mot
	C.....7	59.06.0683	68 nF	20%	NS,Mot
	C.....8	59.26.9109	1.0 uF	20%	Ph
	C.....9	59.06.0683	68 nF	20%	NS,Mot
	C.....10	59.06.0683	68 nF	20%	NS,Mot
	C.....11	59.26.1330	33 uF	20%	Ph
	C.....12	59.26.5229	2.2 uF	20%	Ph
	D.....1	50.04.0912	1N 5818	1N 5819	Mot
	D.....2	50.04.1103	7.5 V	5%, .40W,Zplanar	ITT,Ses
	D.....3	50.04.1103	7.5 V	5%, .40W,Zplanar	ITT,Ses
	D.....4	50.04.0125	1N 4448	SI	Fc,ITT,Ph,Ses,Tf
	D.....5	50.04.0125	1N 4448	SI	Fc,ITT,Ph,Ses,Tf
	D.....6	50.04.1103	7.5 V	5%, .40W,Zplanar	ITT,Ses
	D.....7	50.04.1103	7.5 V	5%, .40W,Zplanar	ITT,Ses
	D.....8	50.04.0125	1N 4448	SI	Fc,ITT,Ph,Ses,Tf
	D.....9	50.04.0125	1N 4448	SI	Fc,ITT,Ph,Ses,Tf
	IC.....1	50.17.1941	74HC 541		Mot,NS,Ph,RCA,SGS,TI,To
	IC.....2	50.17.1849	74HC 645		Mot,NS,Ph,RCA,SGS,TI,To
	IC.....3	50.09.0107	RC4559 ND		NEC,Ra
	IC.....4	50.09.0107	RC4559 ND		NEC,Ra
	IC.....5	50.09.0107	RC4559 ND		NEC,Ra
	IC.....6	50.16.0114	MC68A52P	H068A52, S68A52	AMi,Mi,Mot
	IC.....7	50.19.0101	AOC 0809	M 58990 P	NS
	IC.....8	50.17.1158	74HC 158		Mot,Nat,Ph,RCA,SGS,TI,To
	IC.....9	50.10.0108	LM317 LZ	V-Reg.	Mot,Nat
	IC.....10	50.17.1022	74HC 02		Mot,Nat,Ph,RCA,SGS,TI,To
	IC.....11	50.17.1123	74HC 123		Mot,NS,Ph,RCA,SGS,TI,To
	IC.....12	50.05.0203	SN75463P	OS 3613 N	NS,TI
	R.....1	57.11.3303	30 kOhm	2%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R.....2	57.11.4562	5.6 kOhm	5%	
	R.....3	57.11.4562	5.6 kOhm	5%	
	R.....4	57.11.4103	10 kOhm	2%	
	R.....5	57.11.4152	1.5 kOhm	5%	
	R.....6	57.11.4152	1.5 kOhm	5%	
	R.....7	57.11.3303	30 kOhm	2%	
	R.....8	57.11.4103	10 kOhm	2%	
	R.....9	57.11.4822	8.2 kOhm	5%	
	R.....10	57.11.4822	8.2 kOhm	5%	
	R.....11	57.11.4153	15 kOhm	2%	
	R.....12	57.11.4102	1.0 kOhm	5%	
	R.....13	57.11.4332	3.3 kOhm	5%	
	R.....14	57.11.4332	3.3 kOhm	5%	
	R.....15	57.11.4822	8.2 kOhm	5%	
	R.....16	57.11.4822	8.2 kOhm	5%	
	R.....17	57.11.3303	30 kOhm	2%	
	R.....18	57.11.4562	5.6 kOhm	5%	
	R.....19	57.11.4562	5.6 kOhm	5%	
	R.....20	57.11.4103	10 kOhm	2%	
	R.....21	57.11.4152	1.5 kOhm	5%	
	R.....22	57.11.4152	1.5 kOhm	5%	
	R.....23	57.11.3303	30 kOhm	2%	
	R.....24	57.11.4103	10 kOhm	2%	
	R.....25	57.11.4822	8.2 kOhm	5%	
	R.....26	57.11.4822	8.2 kOhm	5%	
	R.....27	57.11.4153	15 kOhm	2%	
	R.....28	57.11.4102	1.0 kOhm	5%	
	R.....29	57.11.4332	3.3 kOhm	5%	
	R.....30	57.11.4332	3.3 kOhm	5%	
	R.....31	57.11.4822	8.2 kOhm	5%	
	R.....32	57.11.4822	8.2 kOhm	5%	
	R.....33	57.11.4562	5.6 kOhm	5%	
	R.....34	57.11.4471	470 Ohm	2%	
	R.....35	57.11.4122	1.2 kOhm	2%	
	R.....36	58.04.0101	500 Ohm	Potentiometer	see note 1
	R.....37	57.11.4104	100 kOhm	5%	
	R.....38	57.11.4104	100 kOhm	5%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	RZ....1	57.88.4332	893.3kOhm	10%	
	RZ....2	57.88.4332	893.3kOhm	10%	
	RZ....3		8* 10kOhm	10% not used	
	TP....1	54.02.0320	2.8* 0.8	soldering test pin	
	TP....2	54.02.0320	2.8* 0.8	soldering test pin	
	TP....3	54.02.0320	2.8* 0.8	soldering test pin	

Note 1 - Potentiometer : 500 Ohm, 10%, .5W, PMG

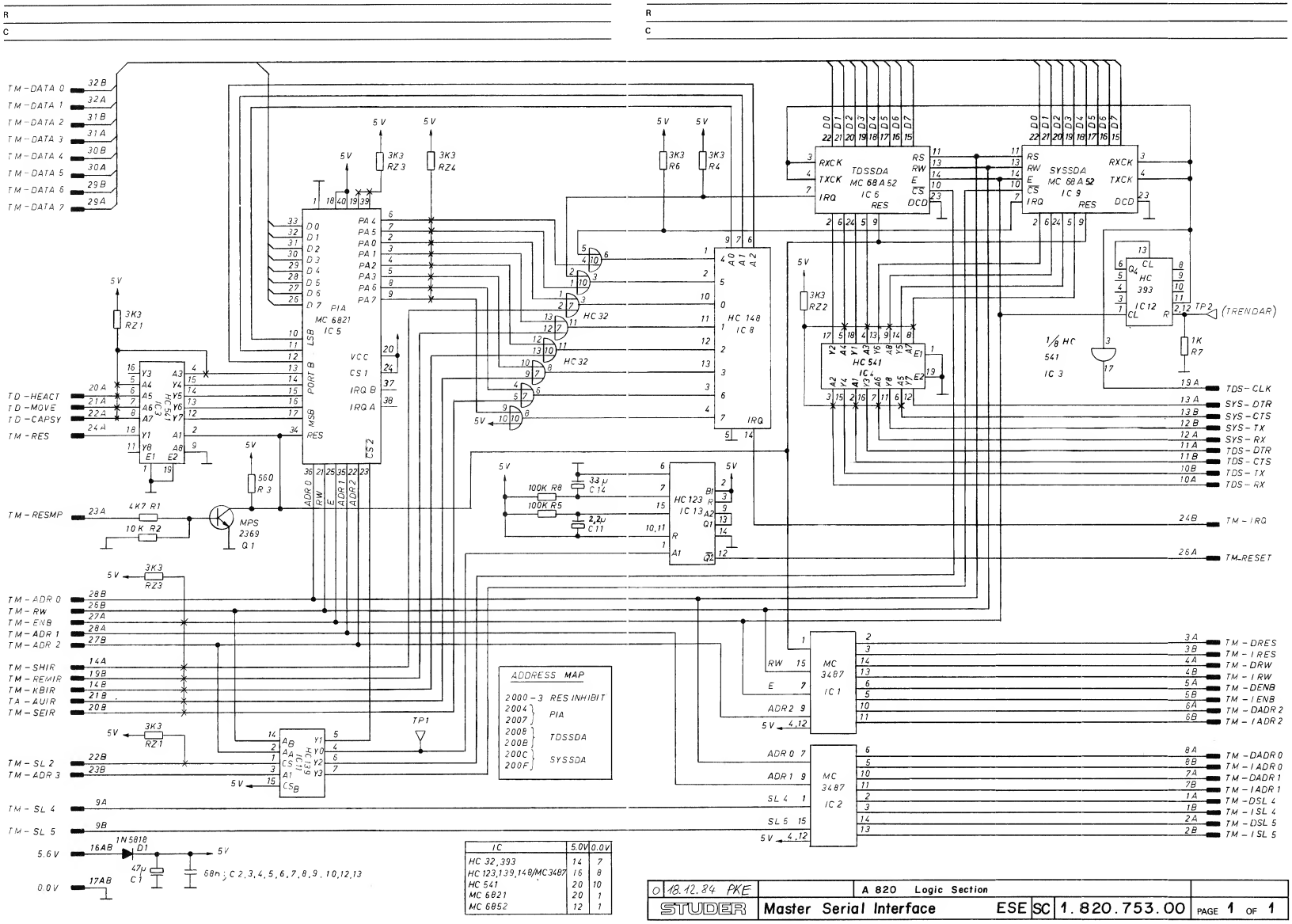
Bourns	3296 Z - 1 - 501
Spectrol	64 Z 501 T 000
Murata	POT 3105 Z - 1 - 501
Contelec	103 XZ 501

Manufacturer: AMI=American Microsystem Inc., Fc=Fairchild,
Hi=Hitachi, Mot=Motorola, Nat=National (Matsushita),
NEC=Nippon Electric Corp., NS=National Semiconductors,
Ph=Philips (incl. Valvo), Ra=Raytheon,
RCA=Radio Corporation of America, Ses=Sescosem,
SGS=SGS/Ates, TI=Texas Instrument, To=Toshiba.

ORIG 84/12/12

PUBLISHED: 08/86

MASTER SERIAL INTERFACE 1.820.753.00 PAGE 1

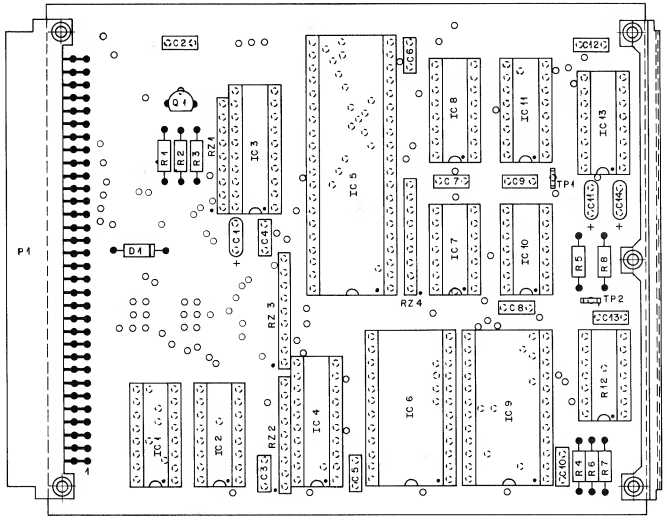


PUBLISHED: 08/86

MASTER SERIAL INTERFACE 1.820.753.00 PAGE 2 (LAST)

COMPONENT SIDE

MASTER SERIAL INTERFACE 1.820.753-00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.26.0470	47 uF	20%, 6.3V	Ph
	C....2	59.06.0683	68 nF	20%	
	C....3	59.06.0683	68 nF	20%	
	C....4	59.06.0683	68 nF	20%	
	C....5	59.06.0683	68 nF	20%	
	C....6	59.06.0683	68 nF	20%	
	C....7	59.06.0683	68 nF	20%	
	C....8	59.06.0683	68 nF	20%	
	C....9	59.06.0683	68 nF	20%	
	C....10	59.06.0683	68 nF	20%	
	C....11	59.26.5229	2.2 uF	20%, 6.3V	Ph
	C....12	59.06.0683	68 nF	20%	
	C....13	59.06.0683	68 nF	20%	
	C....14	59.26.1330	33 uF	20%, 6.3V	Ph
	D....1	50.04.0512	1N 5818	IN 5819	Mot
	IC....1	50.15.0105	MC 3487 P	DS 3487 N	Sie
	IC....2	50.15.0105	MC 3487 P	DS 3487 N	Sie
	IC....3	50.17.1541	74 HC 541		Ph+Mot+NS+RCA+To
	IC....4	50.17.1541	74 HC 541		Ph+Mot+NS+RCA+To
	IC....5	50.16.0106	MC68 A21P	F 68 A21PC	Mot+AMi+Fc
	IC....6	50.16.0114	MC68 A52	H068 A52, S68A52	Mot+AMi+Hi
	IC....7	50.17.1032	74 HC 32		Mot+Nat+Tos+Ph+RCA
	IC....8	50.17.1148	74 HC 148		Tix+To
	IC....9	50.16.0114	MC68 A52	H068 A52, S68A52	Mot+AMi+Hi
	IC....10	50.17.1032	74 HC 32		Mot+Nat+Tos+Ph+RCA
	IC....11	50.17.1139	74 HC 139		Ph+Mot+NS+RCA+To
	IC....12	50.17.1393	74 HC 393		Ph+Mot+NS+RCA+To
	IC....13	50.17.1123	74 HC 123		Ph+Mot+NS+RCA+To
	P....1	54.11.2004		Plug see note 1	
	Q....1	50.03.0508	MPS 2369		Mot
	R....1	57.11.4472	4.7 kOhm	5%	
	R....2	57.11.4103	10 kOhm	5%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....3	57.11.4561	560 Ohm	5%	
	R....4	57.11.4332	3.3 kOhm	10%	
	R....5	57.11.4104	100 kOhm	5%	
	R....6	57.11.4332	3.3 kOhm	10%	
	R....7	57.11.4102	1.0 kOhm	5%	
	R....8	57.11.4104	100 kOhm	5%	
	RZ....1	57.88.4332	3.3 kOhm	10% see note 2	
	RZ....2	57.88.4332	3.3 kOhm	10% see note 2	
	RZ....3	57.88.4332	3.3 kOhm	10% see note 2	
	RZ....4	57.88.4332	3.3 kOhm	10% see note 2	
	TP....1	54.02.0320		Testpoint	
	TP....2	54.02.0320		Testpoint	

Note 1 - Plug : 2 * 32 Euro board
Burndy PI 64 S 20 POO FOO ZO
Erni 9722.563.191

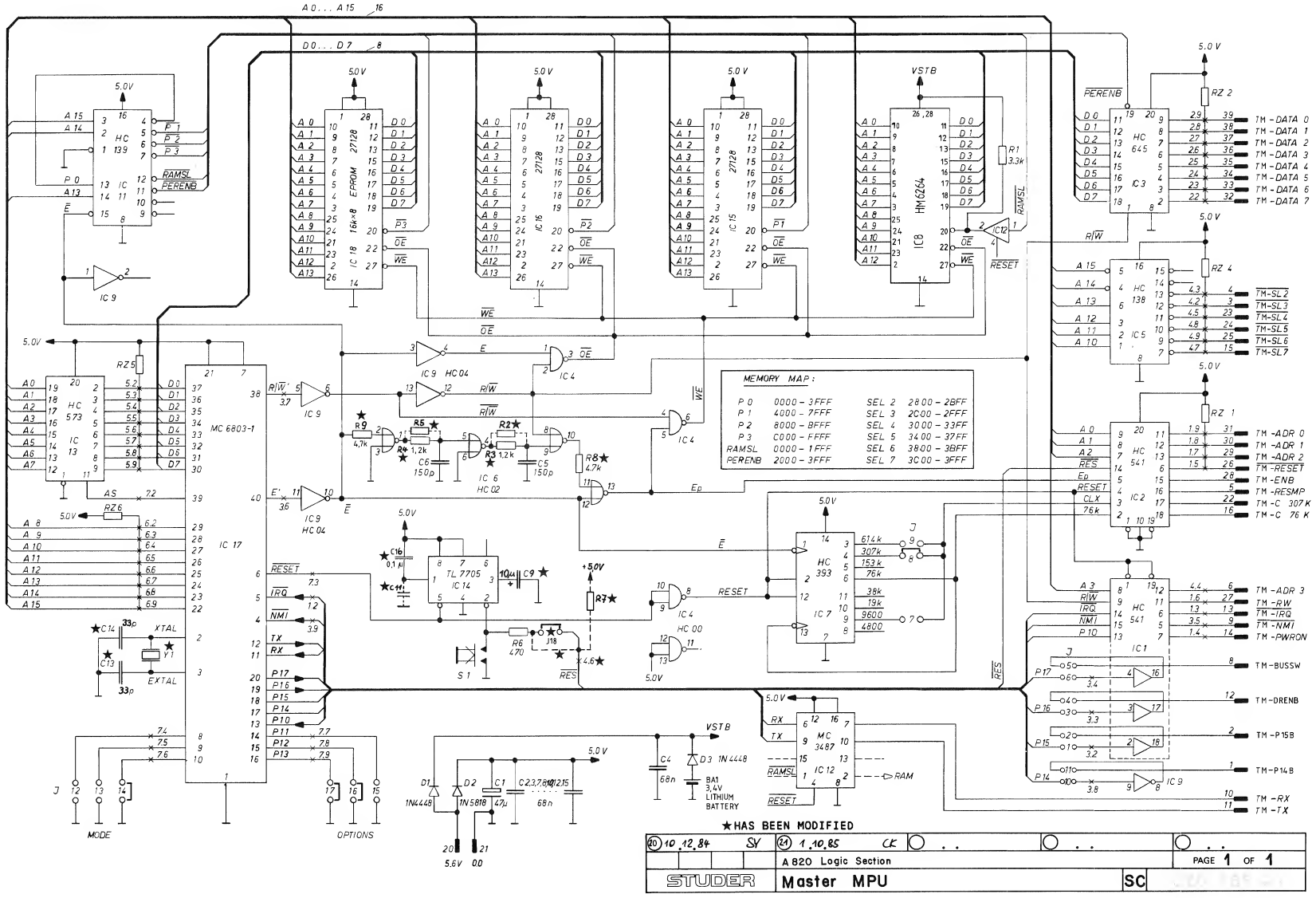
Note 2 - Network : 8 * 3.3 kOhm, 5%, single Line
Sicovend CO9 X 3.3 K J
Ineltro 488 3.3 K 5%

Manufacturer: AMi=American Microsystem Inc., Fc=Fairchild,
Hi=Hitachi, Mot=Motorola, Nat=National (Matsushita),
NS=National Semiconductors, Ph=Philips (incl. Valvo),
RCA=Radio Corporation of America, Sie=Siemens,
To=Toshiba.

ORIG 84/12/18

PUBLISHED: 08/86

MASTER MPU 1.861.818.00 PAGE 1

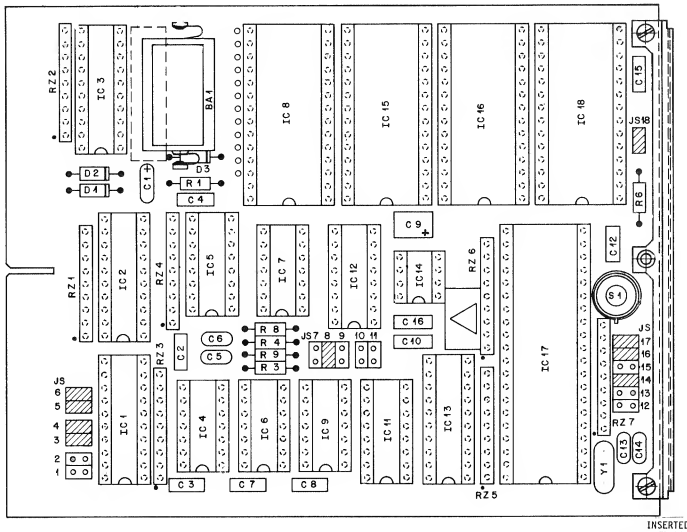


PUBLISHED: 12/86

MASTER MPU 1.861.818.00 PAGE 2 (LAST)

COMPONENT SIDE

MP-UNIT MASTER



INSERTED:
JS 3,4,5,6,8,17
16,14,18

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	BA....1	89.01.0275		BATTERY, 3.6V, LITHIUM	VAR
	C.....1	59.26.0470	47u	20%, 63V, SAL	ANY
	C.....2	59.06.0683	68n	10%, 63V, PETP	ANY
	C.....3	59.06.0683	68n	10%, 63V, PETP	ANY
	C.....4	59.06.0683	68n	10%, 63V, PETP	ANY
	C.....5	59.34.7151	150p	2%, 63V, CER	ANY
	C.....6	59.34.7151	150p	2%, 63V, CER	ANY
	C.....7	59.06.0683	68n	10%, 63V, PETP	ANY
	C.....8	59.06.0683	68n	10%, 63V, PETP	ANY
	C.....9	59.26.2100	10u	20%, 15V, SAL	ANY
	C.....10	59.06.0683	68n	10%, 63V, PETP	ANY
	C.....12	59.06.0683	68n	10%, 63V, PETP	ANY
	C.....13	59.34.2330	33p	20%	ANY
	C.....14	59.34.2330	33p	20%	ANY
	C.....15	59.06.0683	68n	10%, 63V, PETP	ANY
	C.....16	59.06.0104	100n	10%, 63V, PETP	ANY
	D.....1	50.04.0125	IN 4448		ANY
	D.....2	50.04.0512	IN 5818		ANY
	D.....3	50.04.0125	IN 4448		ANY
	IC....1	50.06.0541		74 LS 541	ANY
	IC....2	50.06.0541		74 LS 541	ANY
	IC....3	50.06.0645		74 LS 645	ANY
	IC....4	50.06.0000		74 LS 00	ANY
	IC....5	50.06.0138		74 LS 138	ANY
	IC....6	50.06.0002		74 LS 02	ANY
	IC....7	50.06.0393		74 LS 393	ANY
	IC....8	50.14.0133		HM6264P-15, TC 5564-15	ANY
	IC....9	50.06.0004		74 LS 04	ANY
	IC....11	50.06.0139		74 LS 139	ANY
	IC....12	50.15.0105		MC 3487 P, OS 3487 N	ANY
	IC....13	50.06.1573		74 ALS 573	ANY
	IC....14	50.11.0122		TL 7705 ACP	ANY
	IC....15	50.14.0125		HN 4827128G-30, (GILB4000) (186195020)	ANY
	IC....16	50.14.0125		HN 4827128G-30, (GILB8000) (186195020)	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....17	50.16.0107		MC6803P-1, 6803P-L	ANY
	IC....18	50.14.0125		HN 4827128G-30, (GILB8000) (186195020)	ANY
	J.....1	54.01.0021		JUMPER CONNECTOR	ANY
	J.....2	54.01.0021		JUMPER CONNECTOR	ANY
	J.....3	54.01.0021		JUMPER CONNECTOR	ANY
	J.....4	54.01.0021		JUMPER CONNECTOR	ANY
	J.....5	54.01.0021		JUMPER CONNECTOR	ANY
	J.....6	54.01.0021		JUMPER CONNECTOR	ANY
	J.....7	54.01.0021		JUMPER CONNECTOR	ANY
	J.....8	54.01.0021		JUMPER CONNECTOR	ANY
	J.....9	54.01.0021		JUMPER CONNECTOR	ANY
	MP....1	1.861.818.01	1 PCS	NAME PLATE	ST
	MP....6	28.21.1370		RIVETING NUT, M2.5	ANY
	MP....7	28.21.1370		RIVETING NUT, M2.5	ANY
	MP....8	28.21.1370		RIVETING NUT, M2.5	ANY
	P.....1	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....2	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....3	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....4	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....5	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....6	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....7	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....8	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....9	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....10	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....11	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....12	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....13	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....14	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....15	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....16	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....17	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....18	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....19	54.01.0020		SINGLE CONTACT PIN	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	P.....20	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....21	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....22	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....23	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....24	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....25	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....26	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....27	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....28	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....29	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....30	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....31	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....32	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....33	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....34	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....35	54.01.0020		SINGLE CONTACT PIN	ANY
	P.....36	54.01.0020		SINGLE CONTACT PIN	ANY
	R.....1	57.11.4332	3.3k	5%	ANY
	R.....3	57.11.4122	1.2k	5%	ANY
	R.....4	57.11.4122	1.2k	5%	ANY
	R.....6	57.11.4471	470	5%	ANY
	R.....8	57.11.4472	4.7k	5%	ANY
	R.....9	57.11.4472	4.7k	5%	ANY
	RZ....1	57.86.4332	893.3k	SINGLE IN LINE	ANY
	RZ....2	57.86.4332	893.3k	SINGLE IN LINE	ANY
	RZ....3	57.86.4332	893.3k	SINGLE IN LINE	ANY
	RZ....4	57.86.4332	893.3k	SINGLE IN LINE	ANY
	RZ....5	57.86.4332	893.3k	SINGLE IN LINE	ANY
	RZ....6	57.86.4332	893.3k	SINGLE IN LINE	ANY
	RZ....7	57.86.4332	893.3k	SINGLE IN LINE	ANY
	S.....1	55.03.0122		CHICAGO SWITCH 34-550-001	ANY
	X.....1	89.01.0553		X-TAL 4.9152 MHz	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC...1	53.03.0166		IC-SOCKET, 8-PIN	ANY
	XIC...2	53.03.0167		IC-SOCKET, 14-PIN	ANY
	XIC...3	53.03.0167		IC-SOCKET, 14-PIN	ANY
	XIC...4	53.03.0167		IC-SOCKET, 14-PIN	ANY
	XIC...5	53.03.0167		IC-SOCKET, 14-PIN	ANY
	XIC...6	53.03.0168		IC-SOCKET, 16-PIN	ANY
	XIC...7	53.03.0168		IC-SOCKET, 16-PIN	ANY
	XIC...8	53.03.0168		IC-SOCKET, 16-PIN	ANY
	XIC...9	53.03.0165		IC-SOCKET, 20-PIN	ANY
	XIC..10	53.03.0165		IC-SOCKET, 20-PIN	ANY
	XIC..11	53.03.0165		IC-SOCKET, 20-PIN	ANY
	XIC..12	53.03.0165		IC-SOCKET, 20-PIN	ANY
	XIC..13	53.03.0173		IC-SOCKET, 28-PIN	ANY
	XIC..14	53.03.0173		IC-SOCKET, 28-PIN	ANY
	XIC..15	53.03.0173		IC-SOCKET, 28-PIN	ANY
	XIC..16	53.03.0173		IC-SOCKET, 28-PIN	ANY
	XIC..17	53.03.0172		IC-SOCKET, 40-PIN	ANY
	Y.....1	89.01.0560		4.9152 MHz	ANY

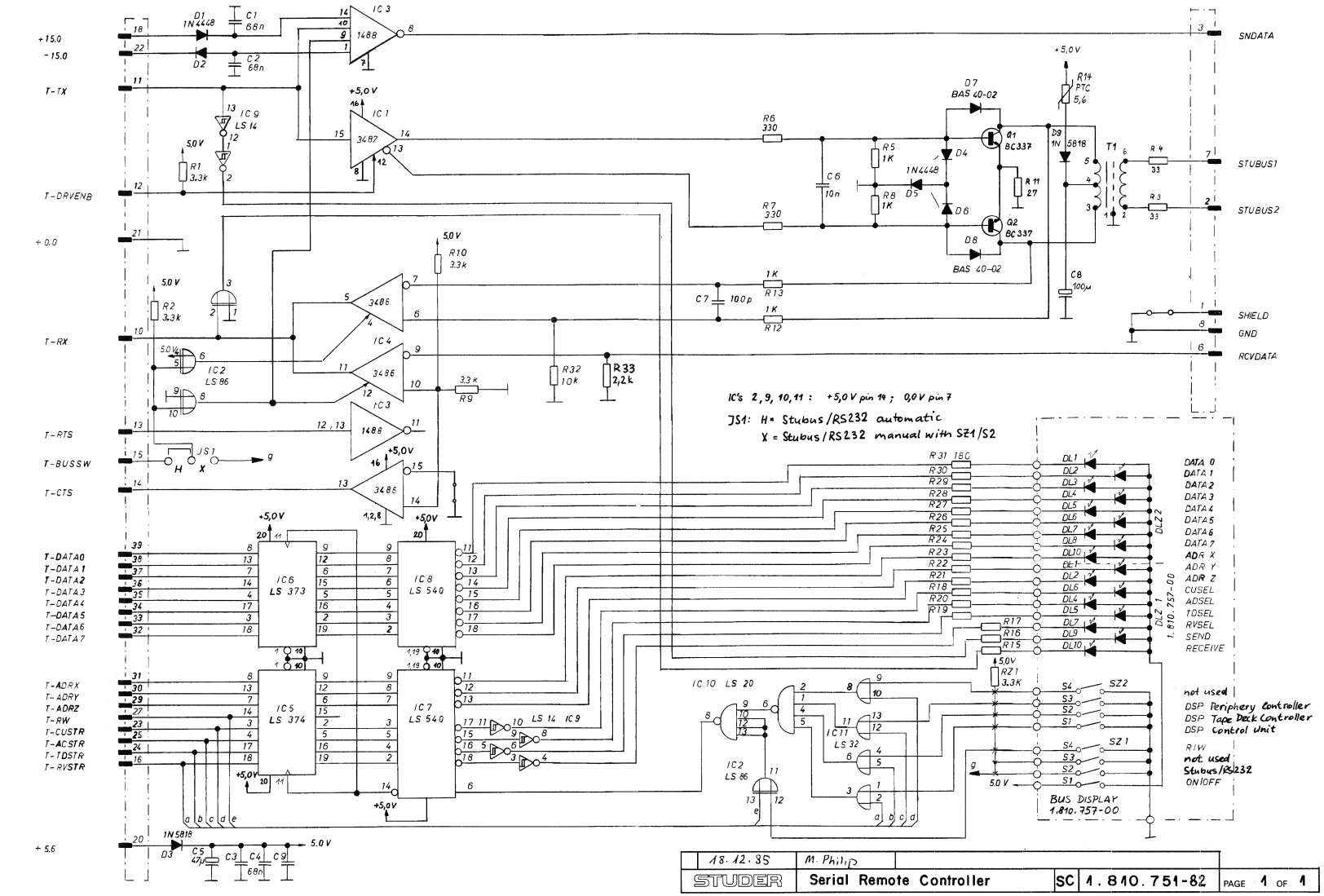
ABBREVIATIONS :
CER = CERAMIC / SAL = SOLID ALUMINIUM / PEPT = POLYESTERFOIL

MANUFACTURER:
ST = STUDER
VAR = VARTA

ORIG 86/10/10

PUBLISHED: 12/86

SERIAL REMOTE CONTROLLER 1.810.751.82 PAGE 1



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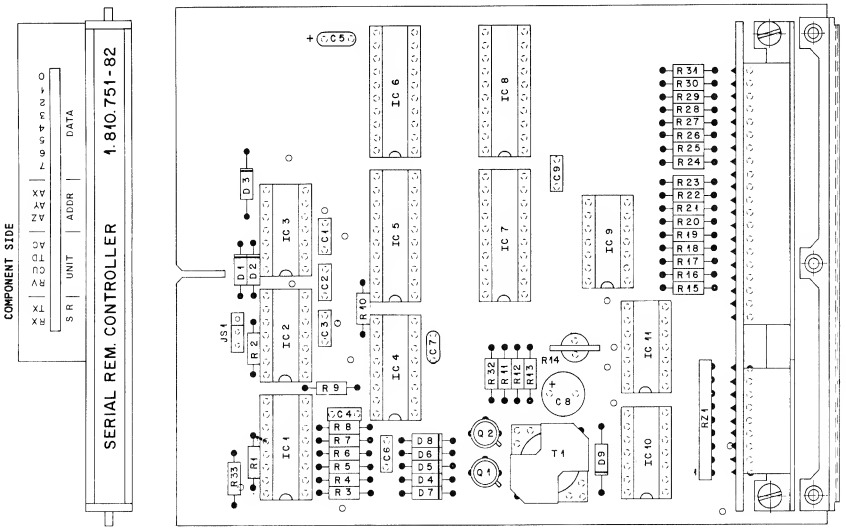
SERIAL REMOTE CONTROLLER 1.810.751.82 PAGE 2 (LAST)



INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	A.....1	1.810.757.00		Bus display board	
	C.....1	59.99.0205	68 nF	-20%, Ce	
	C.....2	59.99.0205	68 nF	-20%, Ce	
	C.....3	59.99.0205	68 nF	-20%, Ce	
	C.....4	59.99.0205	68 nF	-20%, Ce	
	C.....5	59.26.0470	47 uF	20%, 6.3 V, Sal	
	C.....6	59.06.0103	10 nF	10%, PETP	
	C.....7	59.34.1101	100 pF	2%, Ce	
	C.....8	59.22.3101	100 uF	10%, 10 V, El	
	C.....9	59.99.0205	68 nF	-20%, Ce	
	D.....1	50.04.0125	1N4448		ITT+Phe+Ses+TI
	D.....2	50.04.0125	1N4448		ITT+Phe+Ses+TI
	D.....3	50.04.0512	1N5819		Mot
	D.....4	50.04.0125	1N4448		ITT+Phe+Ses+TI
	D.....5	50.04.0125	1N4448		ITT+Phe+Ses+TI
	D.....6	50.04.0125	1N4448		ITT+Phe+Ses+TI
	D.....7	50.04.0127	BAT85	BAS40-02	Phe+Sie
	D.....8	50.04.0127	BAT85	BAS40-02	Phe+Sie
	D.....9	50.04.0512	1N5818	1N5819	Mot
	IC....1	50.15.0105	MC3487	DS3487	Mot+SGS
	IC....2	50.06.0086	SN74LS 86N	DM74LS 86N, 74LS 86PC	Fc+NS+SigTI
	IC....3	50.15.0106	MC1488		Mot
	IC....4	50.15.0104	MC3486P	DS3486	Mot+NS
	IC....5	50.06.0374	AM74LS374N	SN74LS374N, DM74LS374N	AMD+NS TI
	IC....6	50.06.0373	SN74LS373N	N74LS373N	Mot+SigTI
	IC....7	50.06.0540	SN74LS540N	74LS540PC	Fc+Mot+TI
	IC....8	50.06.0540	SN74LS540N	74LS540PC	Fc+Mot+TI
	IC....9	50.06.0014	SN74LS 14N	DM74LS 14N, 74LS 14PC	Fc+NS+SigTI
	IC....10	50.06.0020	SN74LS 20N	DM74LS 20N, 74LS 20PC	Fc+NS+SigTI
	IC....11	50.06.0032	SN74LS 32N	DM74LS 32N, 74LS 32PC	Fc+NS+SigTI
	JS....1			See note 1	
	Q.....1	50.03.0434	BFR18		SGS

STUDER (00) 85/12/18 PHM SERIAL REMOTE CONTROLLER 1.810.751.82 PAGE 1

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	Q.....2	50.03.0434	BFR18		SGS
	R.....1	57.11.4332	3.3 kOhm	2%	
	R.....2	57.11.4332	3.3 kOhm	2%	
	R.....3	57.11.4330	33 Ohm	2%	
	R.....4	57.11.4330	33 Ohm	2%	
	R.....5	57.11.4102	1 kOhm	2%	
	R.....6	57.11.4331	330 Ohm	2%	
	R.....7	57.11.4331	330 Ohm	2%	
	R.....8	57.11.4102	1 kOhm	2%	
	R.....9	57.11.4332	3.3 kOhm	2%	
	R.....10	57.11.4332	3.3 kOhm	2%	
	R.....11	57.11.4270	27 Ohm	2%	
	R.....12	57.11.4102	1 kOhm	2%	
	R.....13	57.11.4102	1 kOhm	2%	
	R.....14	57.99.0209	5.6 Ohm	PTC Resistor, Philips Nr. 2322 662 91005	
	R.....15	57.11.4180	180 Ohm	2%	
	R.....16	57.11.4180	180 Ohm	2%	
	R.....17	57.11.4180	180 Ohm	2%	
	R.....18	57.11.4180	180 Ohm	2%	
	R.....19	57.11.4180	180 Ohm	2%	
	R.....20	57.11.4180	180 Ohm	2%	
	R.....21	57.11.4180	180 Ohm	2%	
	R.....22	57.11.4180	180 Ohm	2%	
	R.....23	57.11.4180	180 Ohm	2%	
	R.....24	57.11.4180	180 Ohm	2%	
	R.....25	57.11.4180	180 Ohm	2%	
	R.....26	57.11.4180	180 Ohm	2%	
	R.....27	57.11.4180	180 Ohm	2%	
	R.....28	57.11.4180	180 Ohm	2%	
	R.....29	57.11.4180	180 Ohm	2%	
	R.....30	57.11.4180	180 Ohm	2%	
	R.....31	57.11.4180	180 Ohm	2%	
	R.....32	57.11.4103	10 kOhm	2%	
	R.....33	57.11.4222	2.2 kOhm	2%	
	RZ.....1	57.88.4332	3.3 kOhm	See note 2	

STUDER (00) 85/12/18 PHM SERIAL REMOTE CONTROLLER 1.810.751.82 PAGE 2

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	T.....1	1.022.223.00		Studio Bus Transformer	St

Note 1 - Contact pin: Studer Nr. 54.11.0126
Berg Nr. 75219-318-36
Metroplast Nr. SL 1/25/36 Z
Commatel Nr. 386 0358 1 36 440
Bridge: Studer Nr. 54.01.0021
Metroplast Nr. CA81 Z 8
Commatel Nr. 2 030 946-8

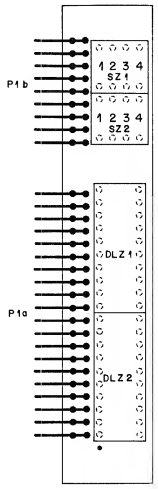
Note 2 - Network: 8 * 3.3 kOhm, 5%
Sicovend Nr. C09 X 3.3 K J
Ineltro Nr. R88 3.3 K 5%

Ce=Ceramic, El=Electrolytic, Sal=Solid aluminium, PETP=Polyester

MANUFACTURER: AMD=Advanced Micro Devices, Fc=Fairchild, ITT=Intermetall, Mot=Motorola, NS=National Semiconductors, Ph=Philips, Ses=Sescosem, SGS=SGS-Ates, Sie=Siemens, Sig=Signetics, St=Studer, TI=Texas Instruments.

ORIG 85/12/18

STUDER (00) 85/12/18 PHM SERIAL REMOTE CONTROLLER 1.810.751.82 PAGE 3



BUS DISPLAY PCB 1.810.757
SOLDERED ONTO RS232/DATA
SAVE INTERFACE 1.810.751

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	DLZ....1	50.04.2134	MV57164F	MV57164G	GI
	DLZ....2	50.04.2134	MV57164F	MV57164G	GI
	SZ.....1	55.01.0164		Switch Array, AMP 0-161 391-4, SAE 1004-692	
	SZ.....2	55.01.0164		Switch Array, AMP 0-161 391-4, SAE 1004-692	
	P.....1a	54.01.0261	20 cont.	AMP 1-163.740-9	
	P.....1b	54.01.0220	9 cont.	AMP 163.740-7	

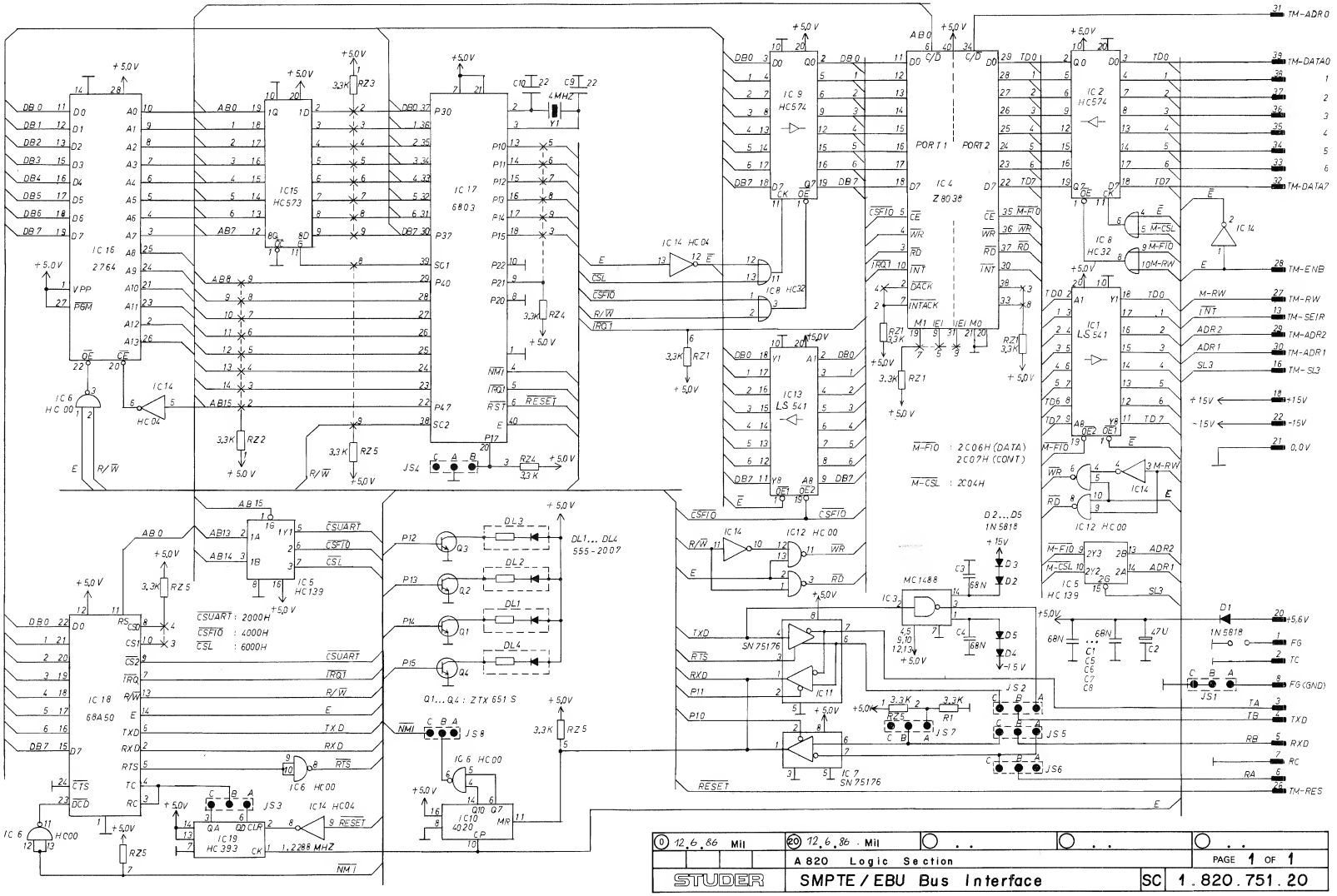
MANUFACTURER: GI=General Instruments

ORIG 82/06/23

STUDER (00) 82/06/23 DSC BUS DISPLAY 1.810.757.00 PAGE 1

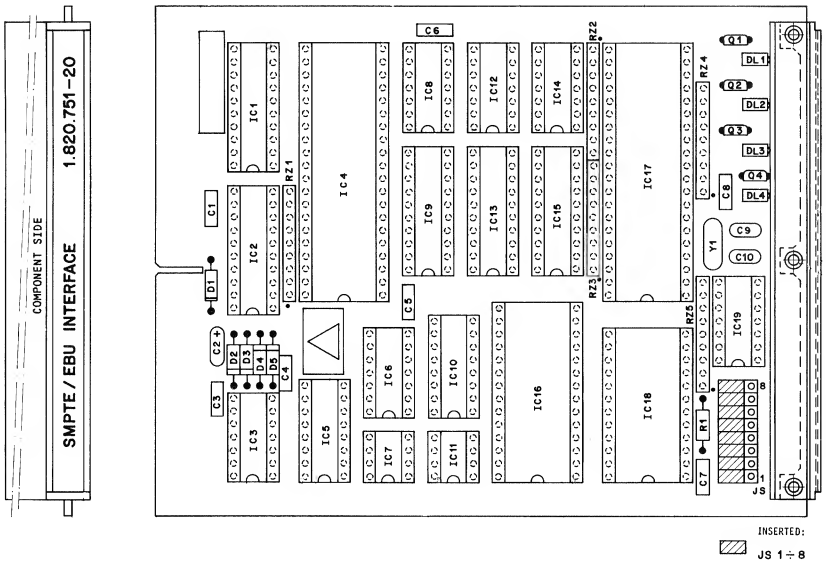
PUBLISHED: 08/86

SMPTE/EBU INTERFACE 1.820.751.00 PAGE 1



0 12.6.86 Mil	20 12.6.86 . Mil	. .	. .	. .	
	A 820 Logic Section				PAGE 1 OF 1
STUDER	SMPTE / EBU Bus Interface			SC	1.820.751.20

SMPTE/EBU INTERFACE 1.820.751.00 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	C.....1	59.06.0683	68 nF	10%, PETP	
(20)	C.....2	59.26.0470	47 uF	20%, 6.3V, SAL	
(20)	C.....3	59.06.0683	68 nF	10%, PETP	
(20)	C.....4	59.06.0683	68 nF	10%, PETP	
(20)	C.....5	59.06.0683	68 nF	10%, PETP	
(20)	C.....6	59.06.0683	68 nF	10%, PETP	
(20)	C.....7	59.06.0683	68 nF	10%, PETP	
(20)	C.....8	59.06.0683	68 nF	10%, PETP	
(20)	C.....9	59.34.2220	22 pF	5%, CER	
(20)	C....10	59.34.2220	22 pF	5%, CER	
(20)	D.....1	50.04.0512	1N 5818	1N 5819	Mot
(20)	D.....2	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+TF
(20)	D.....3	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+TF
(20)	D.....4	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+TF
(20)	D.....5	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+TF
(20)	DL....1	50.04.2107	555-2007		DI
(20)	DL....2	50.04.2107	555-2007		DI
(20)	DL....3	50.04.2107	555-2007		DI
(20)	DL....4	50.04.2107	555-2007		DI
(20)	IC....1	50.06.0541	74 LS 541	..74 LS 541..	Mot+NS+Ph+RCA+SGS+Ti+To
(20)	IC....2	50.17.1574	74 HC 574	..74 HC 574..	Mot+NS+Ph+RCA+SGS+Ti+To
(20)	IC....3	50.15.0106	MC 1488 P		Mot
(20)	IC....4	50.16.0118	Z 8038 PS	Z 8038 QC	AMD+Zy
(20)	IC....5	50.17.1139	74 HC 139	..74 HC 139..	Mot+NS+Ph+RCA+SGS+Ti+To
(20)	IC....6	50.17.1000	74 HC 00	..74 HC 00..	Mot+NS+Ph+RCA+SGS+Ti+To
(20)	IC....7	50.15.0115	SN75176AP	DS 3695 N	NS+TI
(20)	IC....8	50.17.1032	74 HC 32	..74 HC 32..	Mot+NS+Ph+RCA+SGS+Ti+To
(20)	IC....9	50.17.1574	74 HC 574	..74 HC 574..	Mot+NS+Ph+RCA+SGS+Ti+To
(20)	IC...10	50.07.0020	MC1402DGCP	...4020...	Mot+NS+Ph+RCA+To
(20)	IC...11	50.15.0115	SN75176AP	DS 3695 N	NS+TI
(20)	IC...12	50.17.1000	74 HC 00	..74 HC 00..	Mot+NS+Ph+RCA+SGS+Ti+To
(20)	IC...13	50.06.0541	74 LS 541	..74 LS 541..	Mot+NS+Ph+RCA+SGS+Ti+To
(20)	IC...14	50.17.1004	74 HC 04	..74 HC 04..	Mot+NS+Ph+RCA+SGS+Ti+To
(20)	IC...15	50.17.1573	74 HC 573	..74 HC 573..	Mot+NS+Ph+RCA+SGS+Ti+To

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	IC...16	50.14.0113	D 2764-3	.... 2764	Hi+It+SGS+Ti
(20)	IC...16	1.820.998.20		Software 48/85, SMPTE/EBU IF	St
(20)	IC...17	50.16.0107	MC6803 P-1	H06803 P-1	Mi+Mot
(20)	IC...18	50.16.0101	MC68 A 50P	S 68 A 50	AMI+Mot
(20)	IC...19	50.17.1393	74 HC 393	..74 HC 393..	Mot+NS+Ph+RCA+SGS+Ti+To
(20)	JS....1			See note 1	
(20)	JS....2			See note 1	
(20)	JS....3			See note 1	
(20)	JS....4			See note 1	
(20)	JS....5			See note 1	
(20)	JS....6			See note 1	
(20)	JS....7			See note 1	
(20)	JS....8			See note 1	
(20)	Q.....1	50.03.0523	ZTX 651 S		Fe
(20)	Q.....2	50.03.0523	ZTX 651 S		Fe
(20)	Q.....3	50.03.0523	ZTX 651 S		Fe
(20)	Q.....4	50.03.0523	ZTX 651 S		Fe
(20)	R.....1	57.11.4332	3.3 kOhm	5%	
(20)	RZ....1	57.88.4332		see note 2	
(20)	RZ....2	57.88.4332		see note 2	
(20)	RZ....3	57.88.4332		see note 2	
(20)	RZ....4	57.88.4332		see note 2	
(20)	RZ....5	57.88.4332		see note 2	
(20)	Y.....1	89.01.0550		4.000 MHz, +- 40 ppm	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

Note 1 - Jumper Switch

Contact Pin:	Studer Nr.	54.01.0020
	Berg Nr.	77 311-102-36
	Philips Nr.	2422 062 43241
	Fawag Nr.	AS 1-034/058-36 G-0.75u Au
Bridge:	Studer Nr.	54.01.0021
	Berg Nr.	65 474-001
	Philips Nr.	2422 024 88003
	AMP Nr.	141 767-1

Note 2 - Resistor network 8 * 3.3 kOhm, 5%

Bourns Nr.	4609 X - 101 332
Beckmann Nr.	L - 09 - 1 - R 3.3 k J
Sprague Nr.	256 C J 332 X 2 PD
Matsushita Nr.	F 9 E 3.3 k 5%
Tama Nr.	MRG C 09 X 3.3 k J

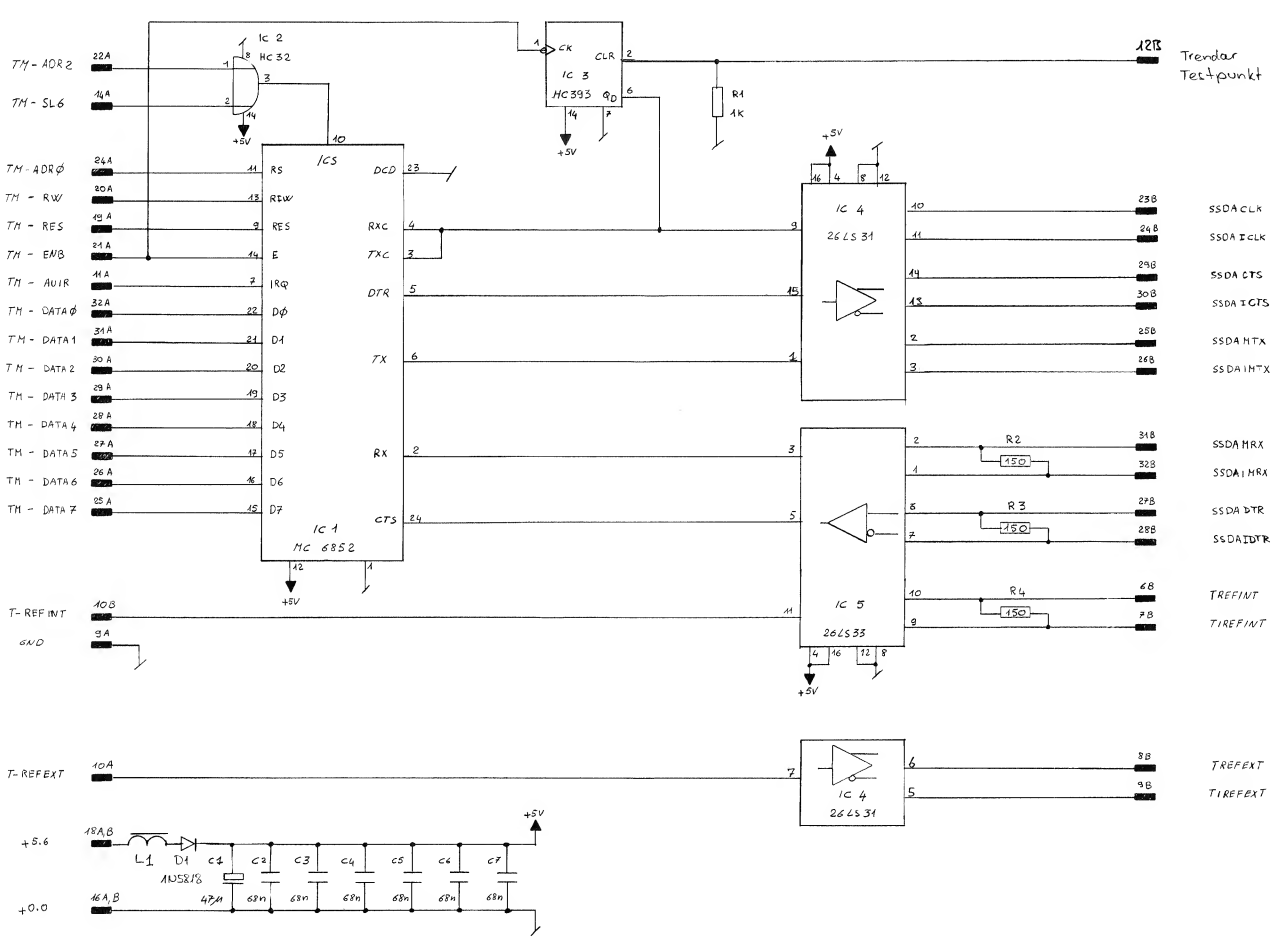
CER=Ceramic, PETP=Polyesterfilm, SAL=Solid Aluminium.

MANUFACTURERS: AMD=Advanced Micro Devices, AMI=American Microsystem Inc., Bi=Bialco, Fc=Fairchild, Fe=Ferranti, Hi=Hitachi, It=Intel, ITT=Intermetall, Mot=Motorola, NS=National Semiconductors, Ph=Philips, RCA=RCA Corporation, Ses=Sescosem, SGS=SGS/Ates, St=Studer, TF=Telefunken, TI=Texas Instruments, To=Toshiba, Zy=Zylog.

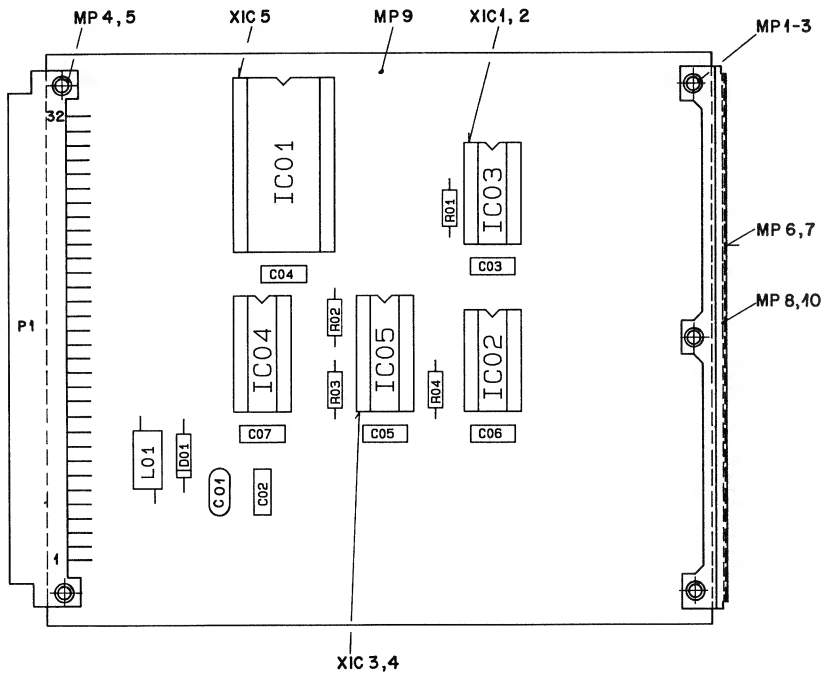
ORIG 86/06/12

PUBLISHED: 08/86

MASTER-SYSCON IF 1.861.721.00 PAGE 1



MASTER-SYSCON IF 1.861.721.00 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.42.0470	47u	20%, 6.3V, EL	ANY
	C.....2	59.06.0683	68n	20%, 63V, CER	ANY
	C.....3	59.06.0683	68n	20%, 63V, CER	ANY
	C.....4	59.06.0683	68n	20%, 63V, CER	ANY
	C.....5	59.06.0683	68n	20%, 63V, CER	ANY
	C.....6	59.06.0683	68n	20%, 63V, CER	ANY
	C.....7	59.06.0683	68n	20%, 63V, CER	ANY
	D.....1	50.04.0512		1N 5818	ANY
	IC.....1	50.16.0114		MC68A52P HD68A52P, S68A52P	ANY
(01)	IC.....2	50.06.0032		MC 74 LS 32 N	ANY
(01)	IC.....3	50.06.0393		MC 74 LS 193 N	ANY
	IC.....4	50.15.0108		AM26 LS 31 PC+AM26 LS31 CN	ANY
	IC.....5	50.15.0109		AM26 LS 33 PC+DS26 LS33 CN	ANY
	L.....1	62.01.0115		WIDE-BAND HF-CHOKE	Ph
	MP.....1	28.21.1370	1 PCS	RIVETING NUT, D2.2595.5	ANY
	MP.....2	28.21.1370	1 PCS	RIVETING NUT, D2.2595.5	ANY
	MP.....3	28.21.1370	1 PCS	RIVETING NUT, D2.2595.5	ANY
	MP.....4	28.99.0119	1 PCS	RIVETING NUT, D2.590.15*10	ANY
	MP.....5	28.99.0119	1 PCS	RIVETING NUT, D2.590.15*10	ANY
	MP.....6	1.010.006.33	1 PCS	MARKING HANDLE	St
	MP.....7	1.010.006.33	1 PCS	MARKING HANDLE	St
	MP.....8	1.010.096.49	1 PCS	TRANSPARENT COVER	St
	MP.....9	1.861.721.12	1 PCS	PCB	St
	MP.....10	1.861.721.01	1 PCS	NAME PLATE, 6.3*91	St
(01)	P.....1	54.11.2004		2*32 CONNECTOR, PRINT, MALE	ANY
	R.....1	57.11.4102	1 k		ANY
	R.....2	57.11.4151	150		ANY
	R.....3	57.11.4151	150		ANY
	R.....4	57.11.4151	150		ANY
	XIC.....1	53.03.0167		DIL 14-PIN	ANY

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC.....2	53.03.0167		DIL 14-PIN	ANY
	XIC.....4	53.03.0168		DIL 16-PIN	ANY
	XIC.....3	53.03.0168		DIL 16-PIN	ANY
	XIC.....5	53.03.0169		DIL 24-PIN	ANY

REMARKS: #01: MODIFICATIONS ACCORDING TO SAMPLE

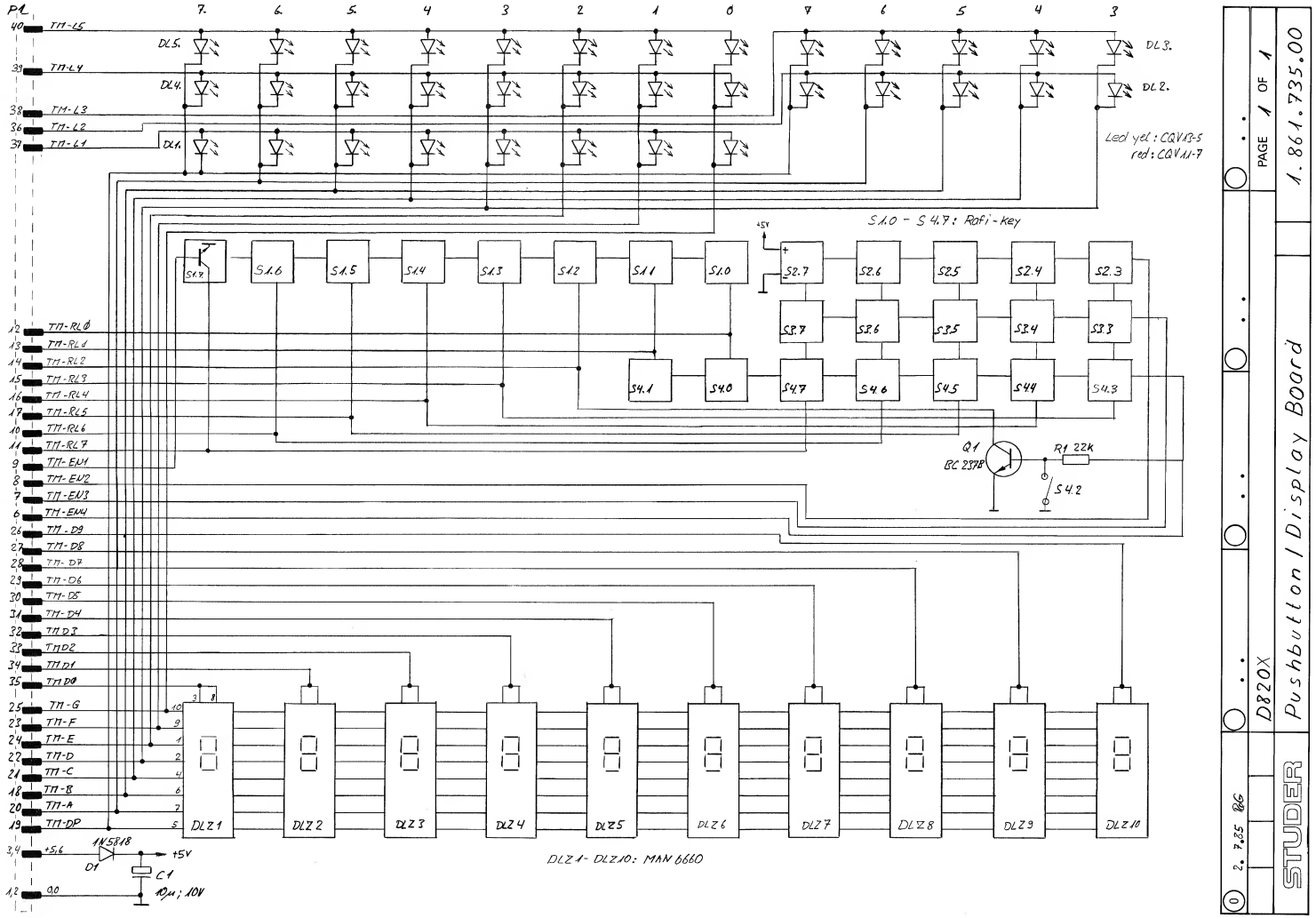
MANUFACTURERS:
St = STUDER
Ph = PHILIPS

ABBREVIATIONS:
CER = CERAMIC / EL = ELECTROLITIC
XIC = IC SOCKET

ORIG 85/07/22 (01) 85/11/29

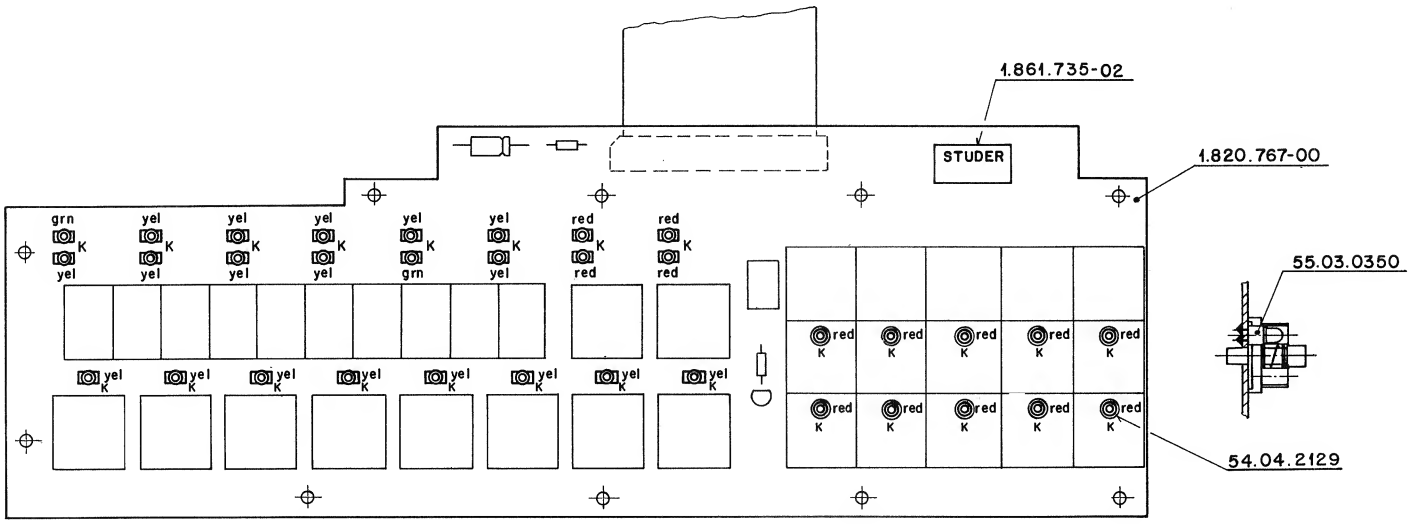
PUBLISHED: 09/86

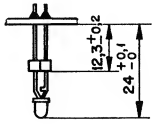
PUSHBUTTON/DISPLAY BOARD 1.861.735.00 PAGE 1



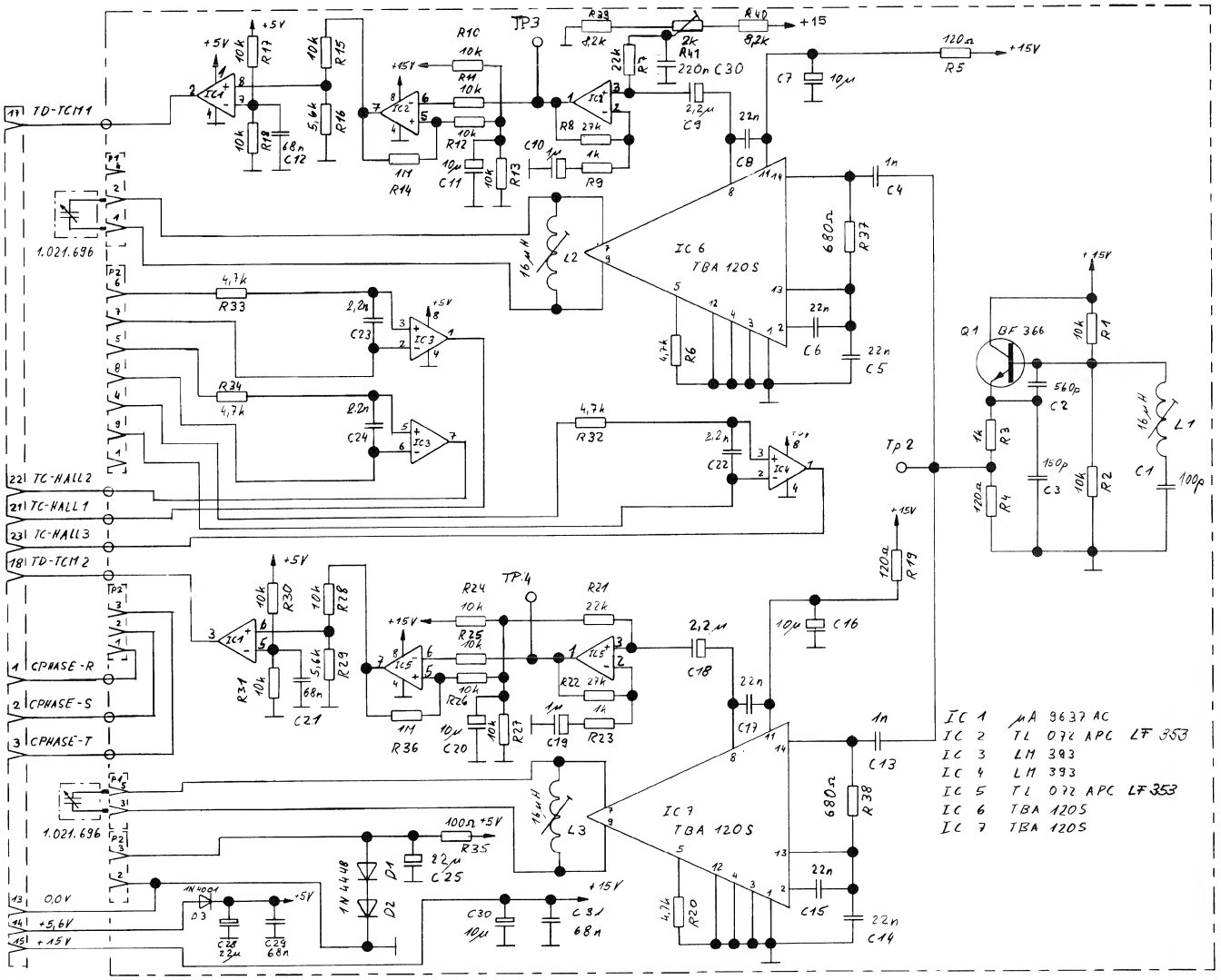
0	2. 7.85 BG	STUDER	D820X	PAGE 1 OF 1	1.861.735.00
			Pushbutton / Display Board		

PUSHBUTTON/DISPLAY BOARD 1.861.735.00 PAGE 2 (LAST)





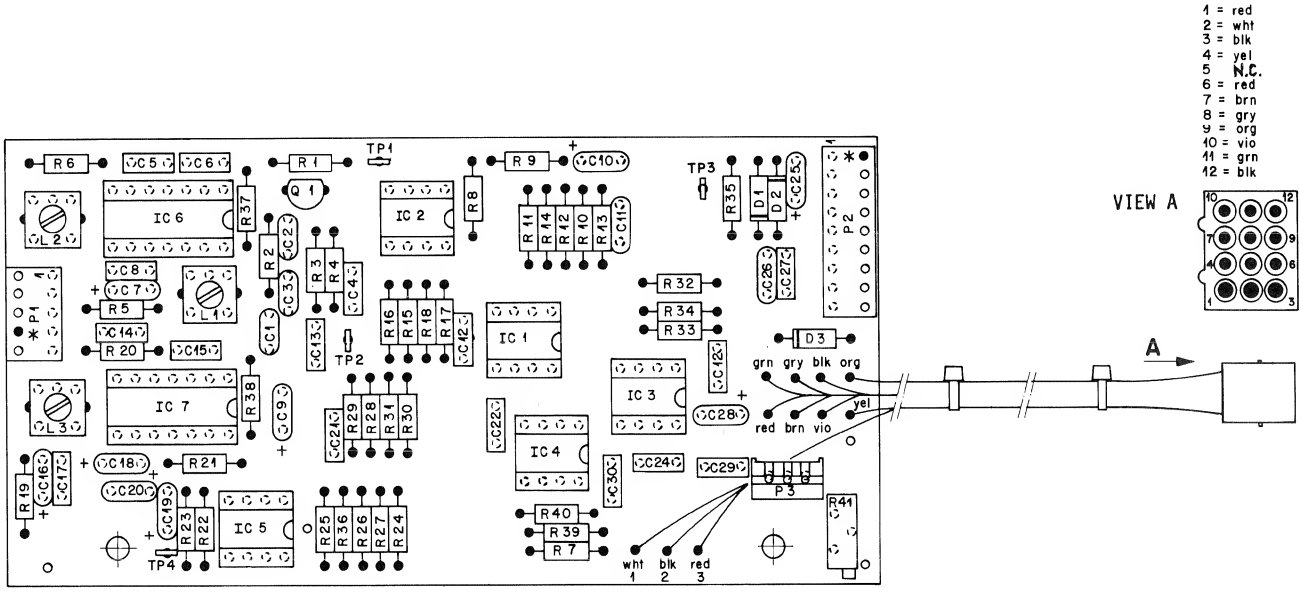
TACHO SENSOR ELECTRONICS 1.021.695.81 PAGE 1



0 4.12.84 Buk					
	A 820 Tape Transport Section				PAGE 1 OF 1
STUDER	Tacho Sensor Electronics PCB			SC	1.021.695.81

PUBLISHED: 08/86

TACHO SENSOR ELECTRONICS 1.021.695.81 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.34.4101	100 pF	5%, N750, CE	
	C.....2	59.34.5561	560 pF	5%, 63V, CE	
	C.....3	59.34.4151	150 pF	5%, N750, CE	
	C.....4	59.06.0102	1 nF	10%, 63V, PETP	
	C.....5	59.06.0223	22 nF	10%, 63V, PETP	
	C.....6	59.06.0223	22 nF	10%, 63V, PETP	
	C.....7	59.26.2100	10 uF	20%, 16V, EL	
	C.....8	59.06.0223	22 nF	10%, 63V, PETP	
	C.....9	59.26.5229	2.2 uF	20%, 25V, EL	
	C....10	59.26.9109	1 uF	20%, 40V, EL	
	C....11	59.26.2100	10 uF	20%, 16V, EL	
	C....12	59.06.0683	68 nF	10%, 63V, PETP	
	C....13	59.06.0102	1 nF	10%, 63V, PETP	
	C....14	59.06.0223	22 nF	10%, 63V, PETP	
	C....15	59.06.0223	22 nF	10%, 63V, PETP	
	C....16	59.26.2100	10 uF	20%, 16V, EL	
	C....17	59.06.0223	22 nF	10%, 63V, PETP	
	C....18	59.26.5229	2.2 uF	20%, 25V, EL	
	C....19	59.26.9109	1 uF	20%, 40V, EL	
	C....20	59.26.2100	10 uF	20%, 16V, EL	
	C....21	59.06.0683	68 nF	10%, 63V, PETP	
	C....22	59.06.0222	2.2 nF	10%, 63V, PETP	
	C....23	59.06.0222	2.2 nF	10%, 63V, PETP	
	C....24	59.06.0222	2.2 nF	10%, 63V, PETP	
	C....25	59.26.1220	22 uF	20%, 10V, EL	
	C....26	59.26.1220	22 uF	20%, 10V, EL	
	C....27	59.06.0683	68 nF	10%, 63V, PETP	
	C....28	59.26.2100	10 uF	20%, 16V, EL	
	C....29	59.06.0683	68 nF	10%, 63V, PETP	
	C....30	59.06.0224	220 nF	10%, 63V, PETP	
	D.....1	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
	D.....2	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
	D.....3	50.04.0122	1N 4001	(to 4004)	Mot
	IC....1	50.15.0114	UA9637ACP	9637 ATC	Fc,TI
	IC....2	50.09.0101	LF 353 N	TL 072 CP	NS,TI

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....3	50.05.0283	LM 393 N	LM 393 P	NS,TI
	IC....4	50.05.0283	LM 393 N	LM 393 P	NS,TI
	IC....5	50.09.0101	LF 353 N	TL 072 CP	NS,TI
	IC....6	50.11.0107	TBA 120S		Sie
	IC....7	50.11.0107	TBA 120S		Sie
	L.....1	1.022.222.00	16 mH	HF-COIL	St
	L.....2	1.022.222.00	16 mH	HF-COIL	St
	L.....3	1.022.222.00	16 mH	HF-COIL	St
	P.....1	54.01.0288		see Note 2	
	P.....2	54.01.0217		see Note 3	
	P.....3	54.14.5005		see Note 4	
	Q.....1	50.03.0514	BF 366		Mot
	R.....1	57.11.4103	10 kOhm	5%	
	R.....2	57.11.4103	10 kOhm	5%	
	R.....3	57.11.4102	1 kOhm	5%	
	R.....4	57.11.4121	120 Ohm	5%	
	R.....5	57.11.4121	120 Ohm	5%	
	R.....6	57.11.4472	4.7 kOhm	5%	
	R.....7	57.11.4223	22 kOhm	5%	
	R.....8	57.11.4273	27 kOhm	5%	
	R.....9	57.11.4102	1 kOhm	5%	
	R....10	57.11.4103	10 kOhm	5%	
	R....11	57.11.4103	10 kOhm	5%	
	R....12	57.11.4103	10 kOhm	5%	
	R....13	57.11.4103	10 kOhm	5%	
	R....14	57.11.4105	1 MOhm	5%	
	R....15	57.11.4103	10 kOhm	5%	
	R....16	57.11.4562	5.6 kOhm	5%	
	R....17	57.11.4103	10 kOhm	5%	
	R....18	57.11.4103	10 kOhm	5%	
	R....19	57.11.4121	120 Ohm	5%	
	R....20	57.11.4472	4.7 kOhm	5%	
	R....21	57.11.4223	22 kOhm	5%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....22	57.11.4273	27 kOhm	5%	
	R....23	57.11.4102	1 kOhm	5%	
	R....24	57.11.4103	10 kOhm	5%	
	R....25	57.11.4103	10 kOhm	5%	
	R....26	57.11.4103	10 kOhm	5%	
	R....27	57.11.4103	10 kOhm	5%	
	R....28	57.11.4103	10 kOhm	5%	
	R....29	57.11.4562	5.6 kOhm	5%	
	R....30	57.11.4103	10 kOhm	5%	
	R....31	57.11.4103	10 kOhm	5%	
	R....32	57.11.4472	4.7 kOhm	5%	
	R....33	57.11.4472	4.7 kOhm	5%	
	R....34	57.11.4472	4.7 kOhm	5%	
	R....35	57.11.4101	100 Ohm	5%	
	R....36	57.11.4105	1 MOhm	5%	
	R....37	57.11.4681	680 Ohm	5%	
	R....38	57.11.4681	680 Ohm	5%	
	R....39	57.11.4822	8.2 kOhm	5%	
	R....40	57.11.4822	8.2 kOhm	5%	
	R....41	58.05.0202	2 kOhm	10%	see Note 1
	TP....1	29.21.6002			Testpoint
	TP....2	29.21.6002			Testpoint
	TP....3	29.21.6002			Testpoint
	TP....4	29.21.6002			Testpoint

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

Note 1: Pot: Bourns, Nr.: 3296 Z-1-202
Spectrol, Nr.: 64 Z 202 T 000
Murata, Nr.: Pot 3105 Z-1-202

Note 2: Plug: 5-Pin AMP, NR.: --163.680-3

Note 3: Plug: 9-Pin AMP, Nr.: --163.680-7

Note 4: Plug: 3-Pin Burndy, Nr.: MWP 3P-1B

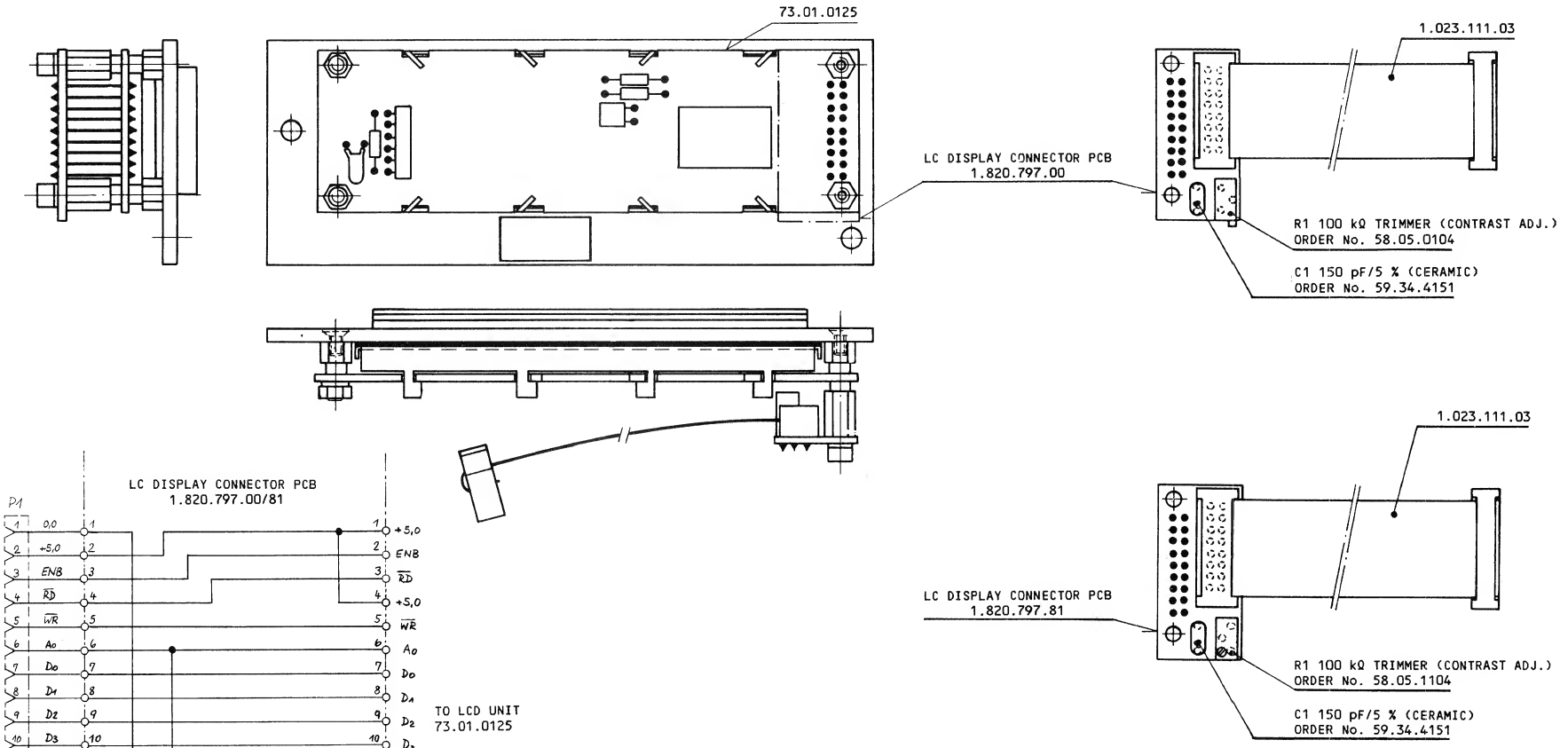
CE=Ceramic, EL=Electrolytic, PETP=Polyester Film

MANUFACTURER: Fc=Fairchild, GI=General Instruments, ITT=Intermetall, Mot=Motorola, NS=National Semiconductors, Ph=Philips, Sie=Siemens, St=Studer, TI=Texas Instruments

ORIG 84/12/04

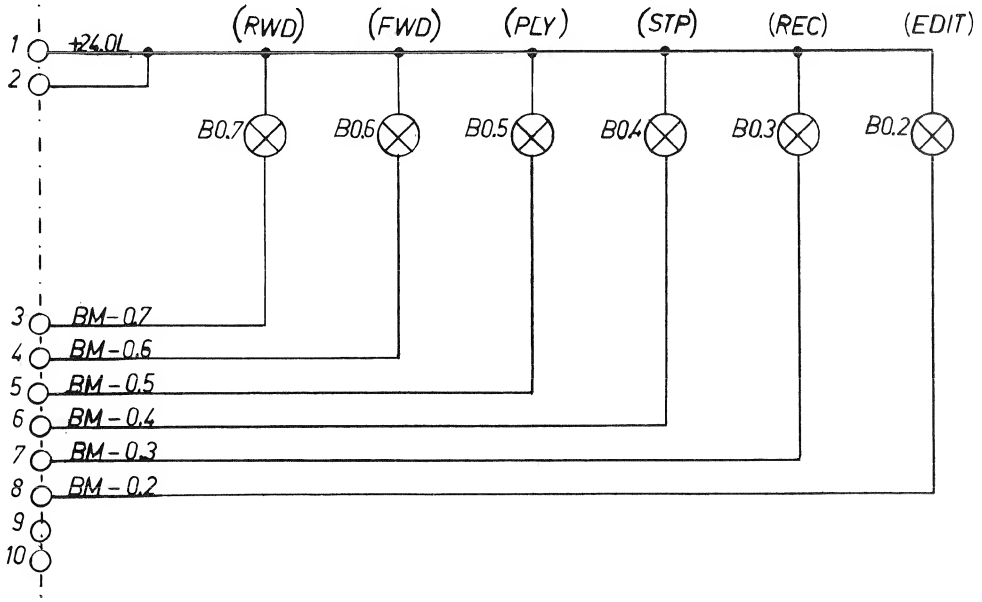
PUBLISHED: 08/86

LCD DISPLAY UNIT 1.820.233.00 PAGE 1 (LAST)



PUBLISHED: 08/86

PUSHBUTTON ASSEMBLY 1.820.240.00 PAGE 1

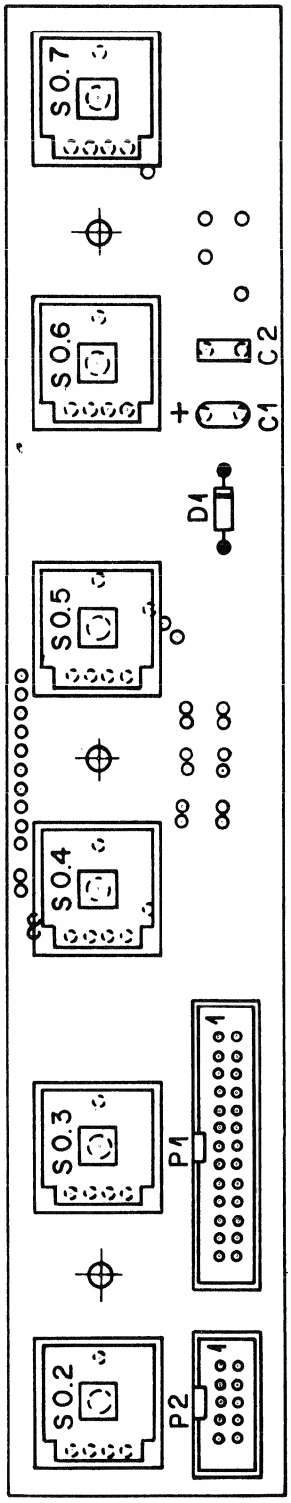


B0.2 - B0.7: 24V / 0.04A T5.5 XB0.2 - XB0.7: LAMP HOLDER

23.11.84 R.SUTER		A 820 Command Section		
STUDER	Tape Deck Indicator PCB	SC	1.820.766.00	PAGE 1 OF 1

PUBLISHED: 08/86

PUSHBUTTON ASSEMBLY 1.820.240.00 PAGE 2



INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.26.1479	4.7 uF	-20%, 10V , Sal	Ph
	C.....2	59.06.0683	68 nF	-10%, 63V , PETP	
	D.....1	50.04.0512	1 N 5818	1 N 5819	Mot
	P.....1	54.14.2003		see note 1	
	P.....2	54.14.2001		see note 2	
	S...0.2	55.03.0261		Pushbutton switch, RAFI nr. 3.13001.110	
	S...0.3	55.03.0261		Pushbutton switch, RAFI nr. 3.13001.110	
	S...0.4	55.03.0261		Pushbutton switch, RAFI nr. 3.13001.110	
	S...0.5	55.03.0261		Pushbutton switch, RAFI nr. 3.13001.110	
	S...0.6	55.03.0261		Pushbutton switch, RAFI nr. 3.13001.110	
	S...0.7	55.03.0261		Pushbutton switch, RAFI nr. 3.13001.110	

Note 1 - connector 26 contacts: Yamaichi nr. FAP-26-0884
Burndy nr. BPH 9 B 26 B00 GS

Note 2 - connector 10 contacts: Yamaichi nr. FAP-10-0884
Burndy nr. BPH 7 B 10 B00 GS

Sal=Solid Aluminium, PETP=Metallized Polyesterfilm

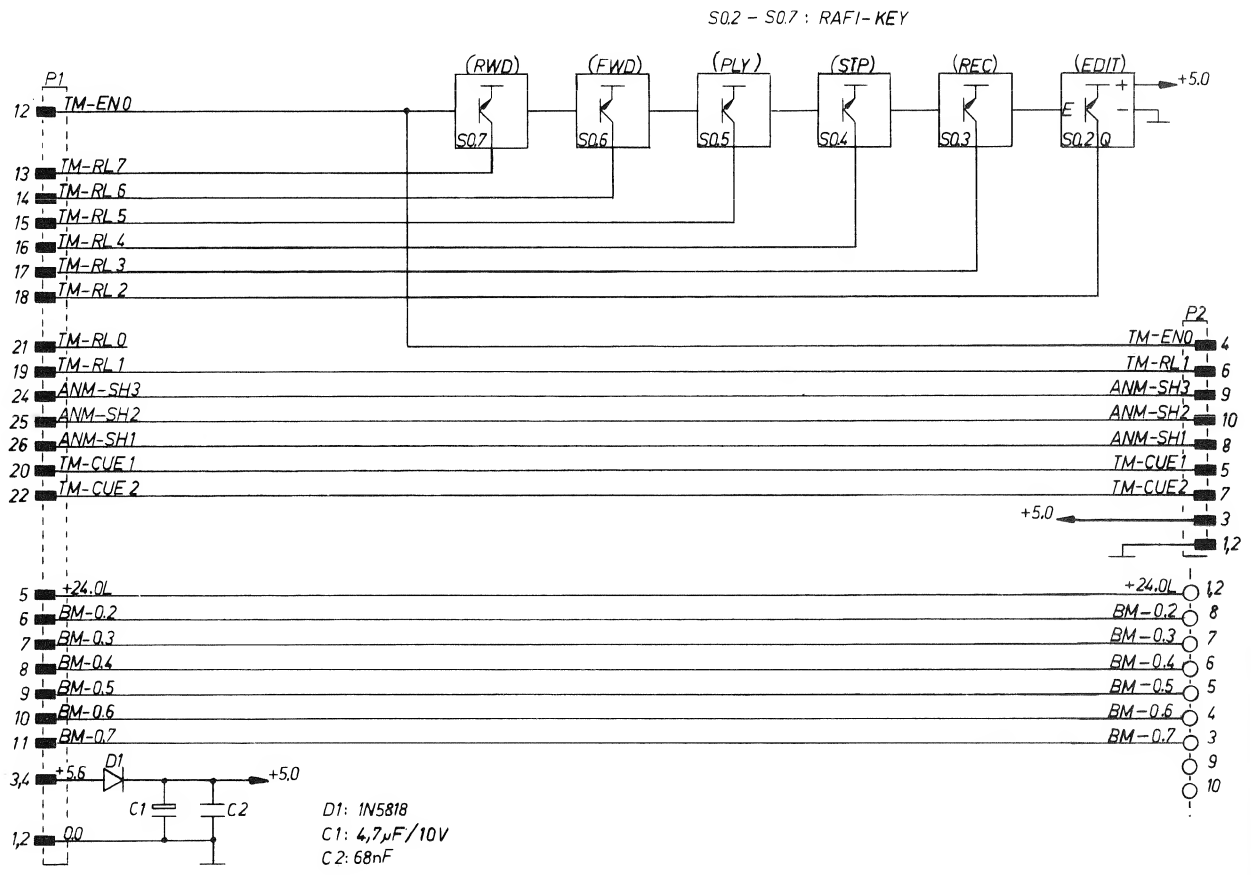
MANUFACTURER: Mot=Motorola, Ph=Philips

ORIG 84/11/23

S T U D E R (00) 84/11/23 CHE TAPE DECK PUSHBUTTON BOARD 1.820.769.00 PAGE 1

PUBLISHED: 08/86

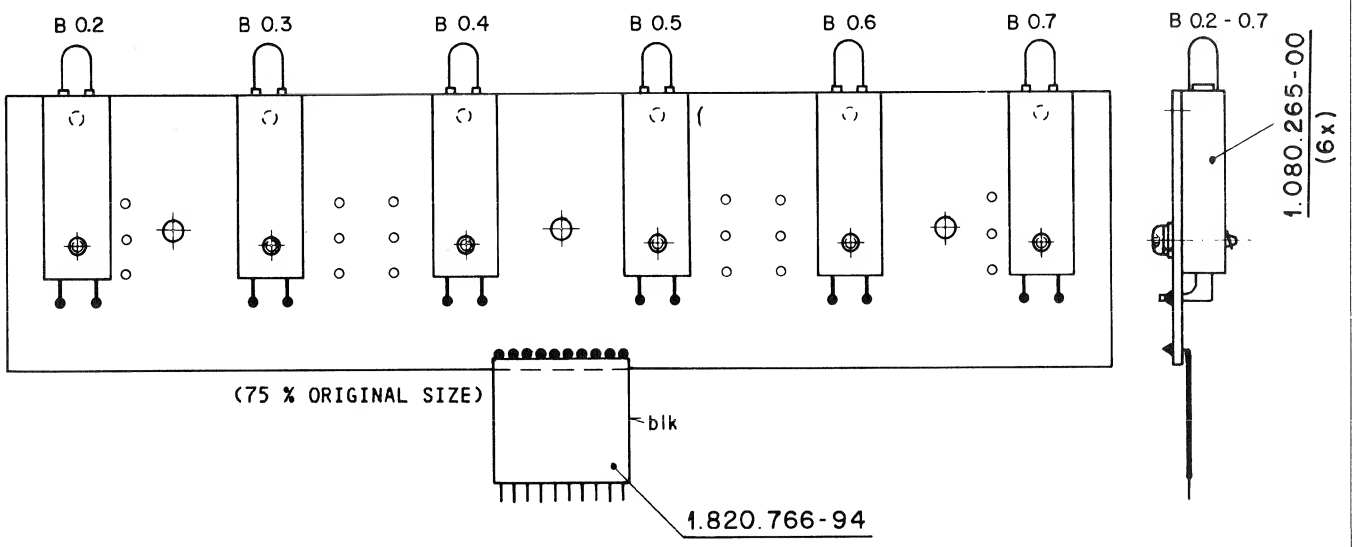
PUSHBUTTON ASSEMBLY 1.820.240.00 PAGE 3



23.11.84 SU	A820 Command Section	
STUDER	Tape Deck Push Button PCB SC 1.820.769.00	PAGE 1 OF 1

PUBLISHED: 08/86

PUSHBUTTON ASSEMBLY 1.820.240.00 PAGE 4 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	B...0.2	51.02.0145	24 V	see note 1	
	B...0.3	51.02.0145	24 V	see note 1	
	B...0.4	51.02.0145	24 V	see note 1	
	B...0.5	51.02.0145	24 V	see note 1	
	B...0.6	51.02.0145	24 V	see note 1	
	B...0.7	51.02.0145	24 V	see note 1	
	XB..0.2	1.080.265.00		lamp holder	St
	XB..0.3	1.080.265.00		lamp holder	St
	XB..0.4	1.080.265.00		lamp holder	St
	XB..0.5	1.080.265.00		lamp holder	St
	XB..0.6	1.080.265.00		lamp holder	St
	XB..0.7	1.080.265.00		lamp holder	St

Note 1 - Indicator lamp: Taunuslicht nr. 5530 24 V, 40 mA
Oshino nr. OL - 552440

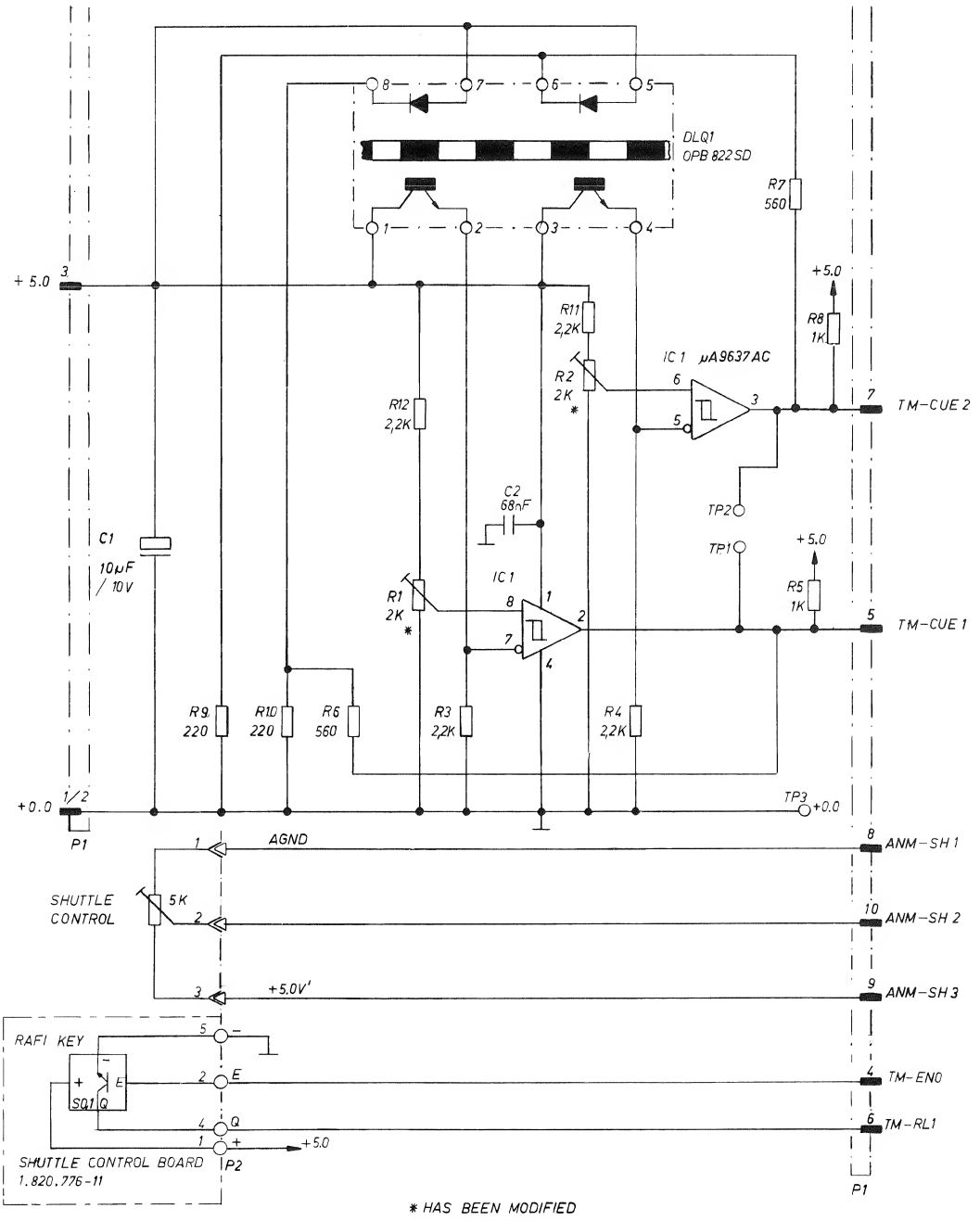
MANUFACTURER: St=Studer

ORIG 84/11/23

S T U D E R (00) 84/11/23 CHE TAPE DECK INDICATOR BOARD 1.820.766.00 PAGE 1

PUBLISHED: 08/86

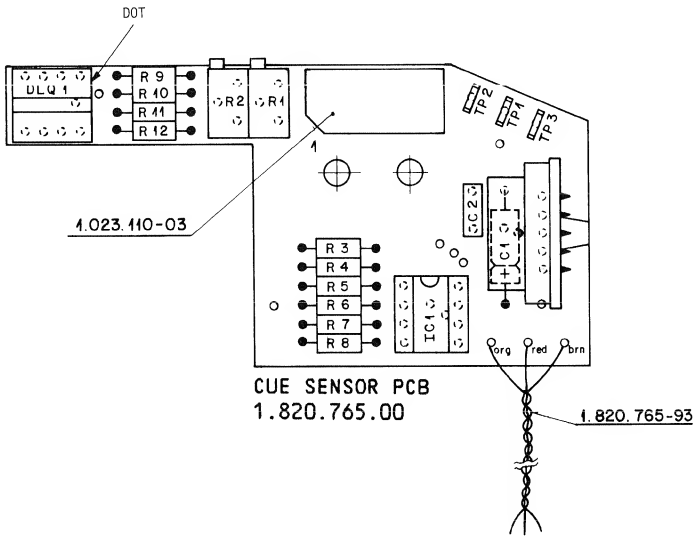
EDIT ASSEMBLY 1.820.250.00 PAGE 1

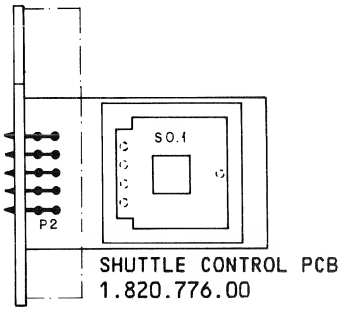


⓪ 4.12.84 CHE	① 21.01.85 CHE	A 820 Command Section	
STUDER	Cue sensor board	SC 1.820.765-00	PAGE 1 OF 1

PUBLISHED: 08/86

EDIT ASSEMBLY 1.820.250.00 PAGE 2 (LAST)





IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.25.4100	10 uF	-20%, 10V, El	
	C.....2	59.06.0683	68 nF	-10%, 63V, PETP	
	DLQ...1	1.820.765.01		Dual Optical Switch, see note 1	St
	IC....1	50.15.0114	uA9637 ATC	uA9637 ACP	Fc,TI
	P.....1	1.023.110.03		Flat Cable 10 pole, see note 2	
	P.....2	54.01.0269	5 cont.	AMP Nr. -163.740-3	
(00)	R.....1	58.05.0501	500 Ohm	see note 3	
(01)	R.....1	58.05.0202	2 kOhm	see note 3	
(00)	R.....2	58.05.0501	500 Ohm	see note 3	
(01)	R.....2	58.05.0202	2 kOhm	see note 3	
	R.....3	57.11.4222	2.2 kOhm	2%	
	R.....4	57.11.4222	2.2 kOhm	2%	
	R.....5	57.11.4102	1 kOhm	2%	
	R.....6	57.11.4561	560 Ohm	2%	
	R.....7	57.11.4561	560 Ohm	2%	
	R.....8	57.11.4102	1 kOhm	2%	
	R.....9	57.11.4221	220 Ohm	2%	
	R....10	57.11.4221	220 Ohm	2%	
	R....11	57.11.4222	2.2 kOhm	2%	
	R....12	57.11.4222	2.2 kOhm	2%	
	S.....1	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
	TP....1	54.02.0320		Test Point	
	TP....2	54.02.0320		Test Point	
	TP....3	54.02.0320		Test Point	

S T U D E R (01) 85/01/21 CHE CUE SENSOR BOARD 1.820.765.00 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	P.....1	54.01.0223		CIS MALE CONNECTOR 7 PIN	
	S.....1	55.03.0261	1 * OC TTL	RAFI PUSHBUTTON	

(01) 85.01.21 Extension of adjust margin.

Note 1 - Optical switch, assembled by Studer, consist of
OPB 822 SO (Optron).

Note 2 - Flat cable: Studer Nr. 64.03.0213

PCB Transition Header: Studer Nr. 54.14.5024
Yamaichi Nr. FGP-10-02
Burndy Nr. BP00B 10 ROOGS

Socket Type: Studer Nr. 54.14.5020
Yamaichi Nr. FAS-10-17
Burndy Nr. FRS-10 B0-4P

Note 3 - Potentiometer 2 kOhm, 10%, 0.5W
Bourns Nr. 3296 Z-1-202
Spectrol Nr. 64 Z 202 T 000
Contelec Nr. 183 XZ 202
Murata Nr. POT 3105 Z-1-202

El=Electrolytic, PETP=Polyester

MANUFACTURER: Fc=Fairchild, St=Studer, TI=Texas Instruments

ORIG 84/12/04 (01) 85/01/21

S T U D E R (01) 85/01/21 CHE CUE SENSOR BOARD 1.820.765.00 PAGE 2

ORIG 84/01/04

S T U D E R (00) 84/01/04 CHE SHUTTLE CONTROL BOARD 1.820.776.00 PAGE 1

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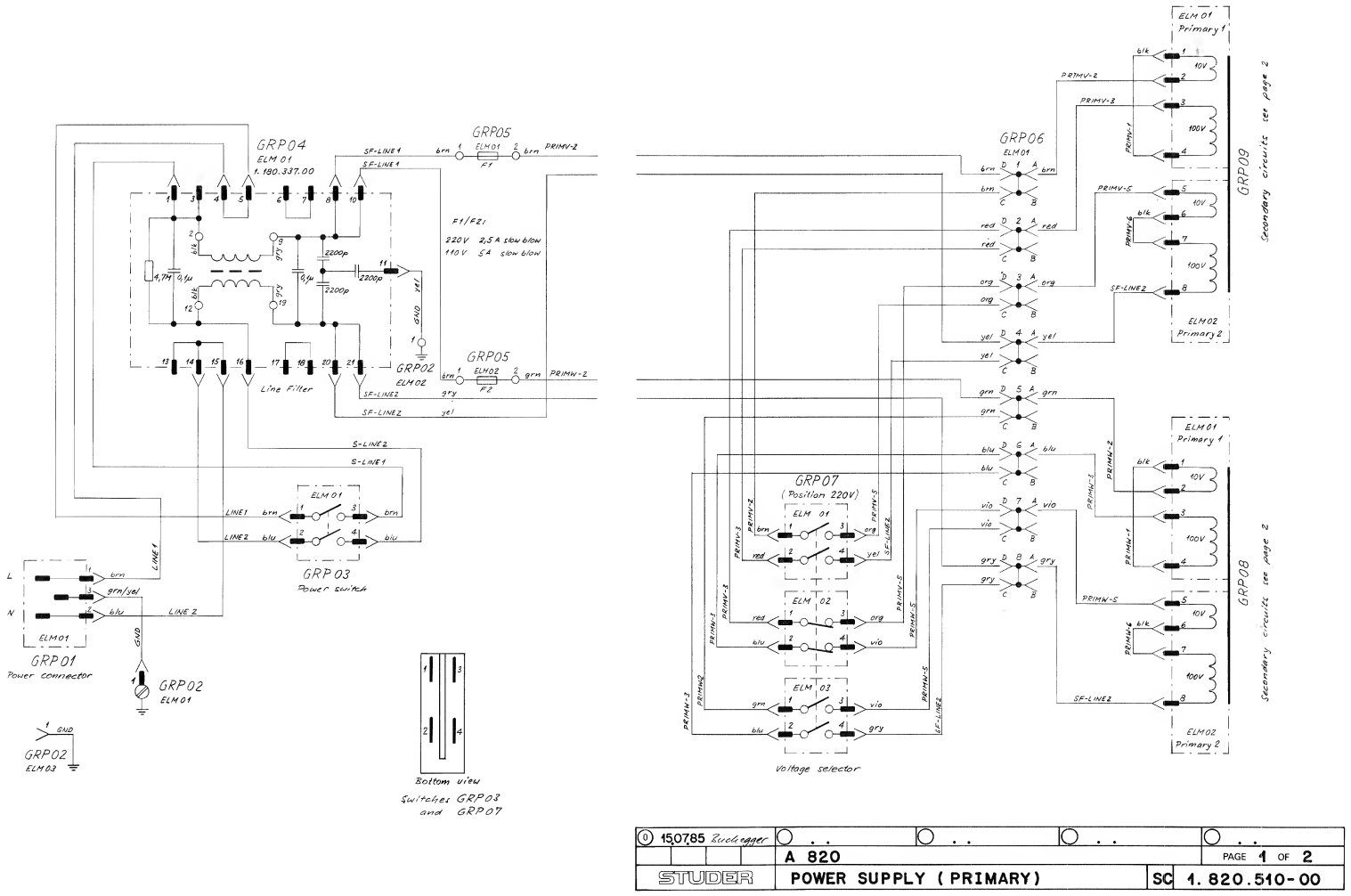
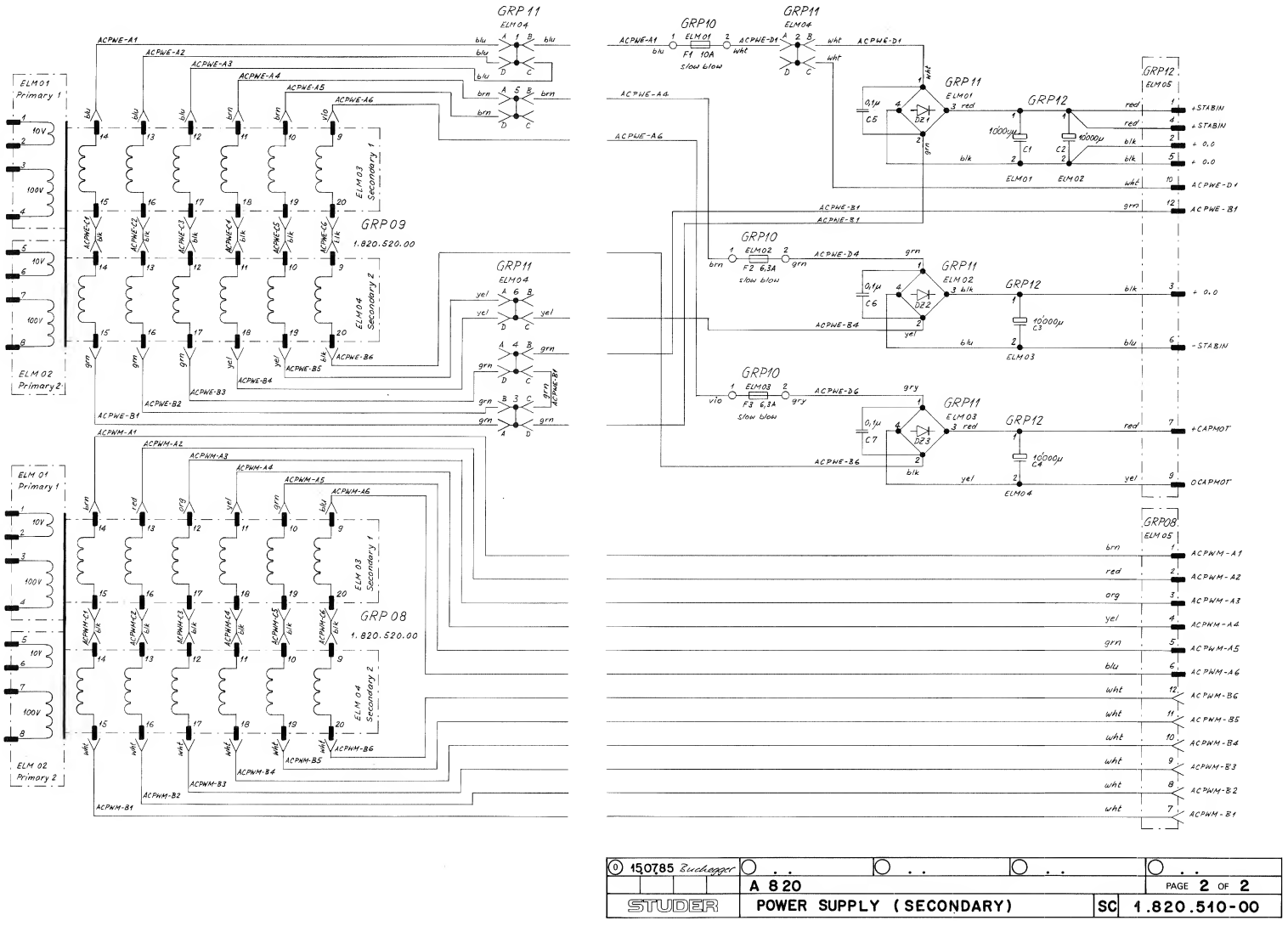
POWER SUPPLY 1.820.510.00 PAGE 1



0 15.07.85 Zurcher egger				
	A 820			PAGE 1 OF 2
STUDER	POWER SUPPLY (PRIMARY)		SC	1.820.510-00

PUBLISHED: 08/86

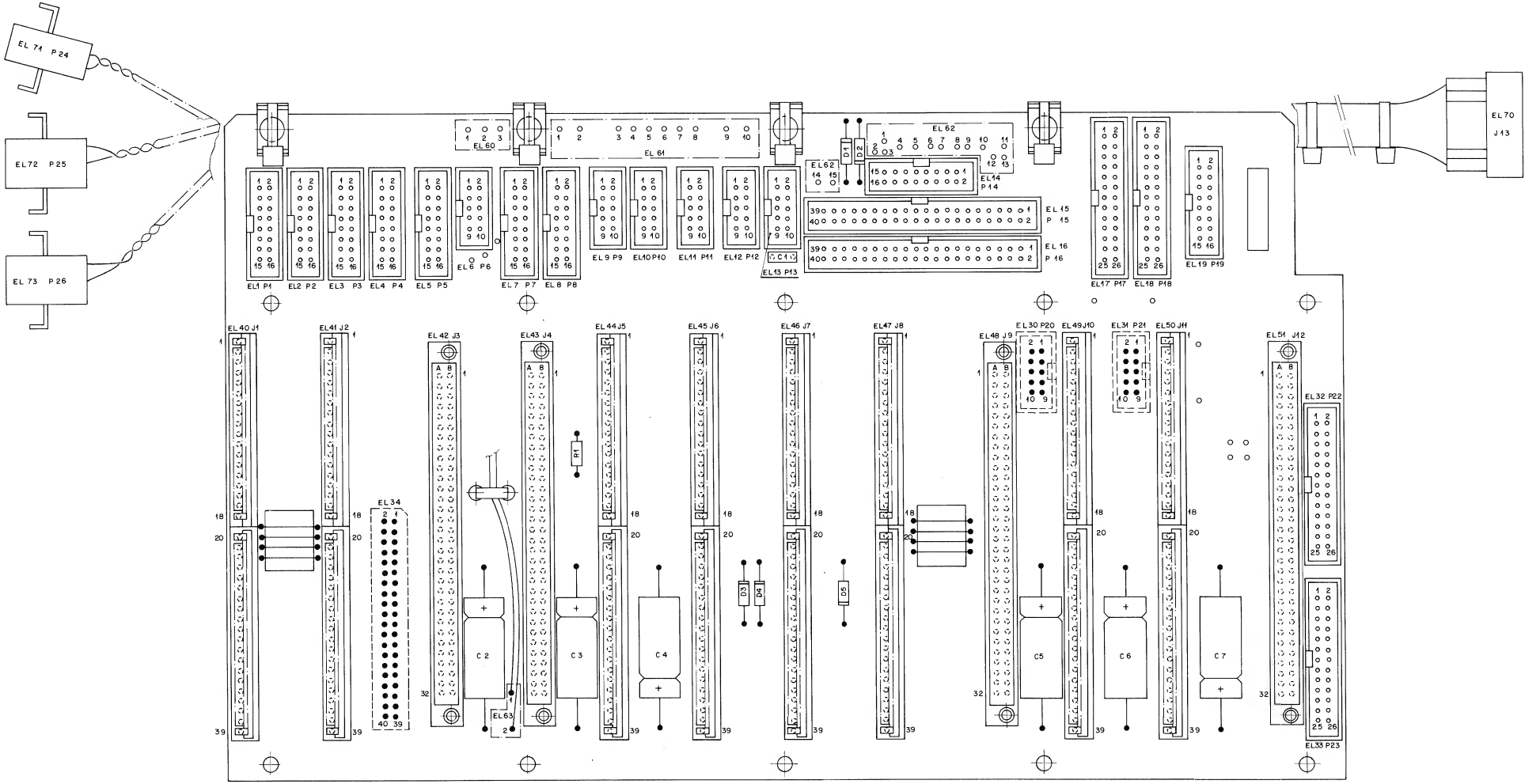
POWER SUPPLY 1.820.510.00 PAGE 2 (LAST)



0 150785 Buchegger				
	A 820			PAGE 2 OF 2
STUDER	POWER SUPPLY (SECONDARY)		SC	1.820.510-00

PUBLISHED: 08/86

BACKPANEL TAPE DECK 1.820.701.00 PAGE 1



PUBLISHED: 08/86

BACKPANEL TAPE DECK 1.820.701.00 PAGE 2 (LAST)

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.06.0683	68 nF	20%, PETP	
	C.....2	59.25.1102	1000 uF	-10%, 6.3V, El	
	C.....3	59.25.3471	470 uF	-10%, 16V, El	
	C.....4	59.25.3471	470 uF	-10%, 16V, El	
	C.....5	59.25.1102	1000 uF	-10%, 6.3V, El	
	C.....6	59.25.3471	470 uF	-10%, 16V, El	
	C.....7	59.25.3471	470 uF	-10%, 16V, El	
	D.....1	50.04.0122	1N 4001	...1N 4004	ITT,Mot
	D.....2	50.04.0122	1N 4001	...1N 4004	ITT,Mot
	D.....3	50.04.0122	1N 4001	...1N 4004	ITT,Mot
(D9)	D.....4	50.04.0122	1N 4001	...1N 4004	ITT,Mot
(ul)	D.....4	50.04.4903	7.5 V Z	BZX 85 C TVS	Sws
	D.....5	50.04.0122	1N 4001	...1N 4004	ITT,Mot
	J.....1			18 + 20 contacts, see note 1	
	J.....2			18 + 20 contacts, see note 1	
	J.....3			2 * 32 contacts, see note 2	
	J.....4			2 * 32 contacts, see note 2	
	J.....5			18 + 20 contacts, see note 1	
	J.....6			18 + 20 contacts, see note 1	
	J.....7			18 + 20 contacts, see note 1	
	J.....8			18 + 20 contacts, see note 1	
	J.....9			2 * 32 contacts, see note 2	
	J.....10			18 + 20 contacts, see note 1	
	J.....11			18 + 20 contacts, see note 1	
	J.....12			2 * 32 contacts, see note 2	
	J.....13			24 contacts, see note 3	
	P.....1			15 contacts, see note 4	
	P.....2			16 contacts, see note 4	
	P.....3			16 contacts, see note 4	
	P.....4			16 contacts, see note 4	
	P.....5			16 contacts, see note 4	
	P.....6			10 contacts, see note 5	
	P.....7			16 contacts, see note 4	
	P.....8			16 contacts, see note 4	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	P.....9			10 contacts, see note 5	
	P.....10			10 contacts, see note 5	
	P.....11			10 contacts, see note 5	
	P.....12			10 contacts, see note 5	
	P.....13			10 contacts, see note 5	
	P.....14			16 contacts, see note 4	
	P.....15			40 contacts, see note 6	
	P.....16			40 contacts, see note 6	
	P.....17			26 contacts, see note 7	
	P.....18			26 contacts, see note 7	
	P.....19			16 contacts, see note 4	
	P.....20			10 contacts, see note 5	
	P.....21			10 contacts, see note 5	
	P.....22			26 contacts, see note 7	
	P.....23			26 contacts, see note 7	
	P.....24			40 contacts, see note 6	
	P.....25			6 contacts, see note 8	
	P.....26			3 contacts, see note 9	
	P.....27			3 contacts, see note 9	
	R.....1	57.11.4332		3.3 kOhm	

El=Electrolytic, PETP=Polyesterfilm

MANUFACTURER: ITT=ITT Intermetall, Mot=Motorola.

ORIG 85/02/27 (01) 85/06/14

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

(01) 85.06.14 Limitation of power supply peaks.

Note 1 - 2 connectors:

18 contacts:	Studer Nr.	54.18.2015	
	Burndy Nr.	GCSB 18 SO 19 V1 K9	
20 contacts:	Studer Nr.	54.18.2026	
	Burndy Nr.	GCSB 20 SO V1 K9	

Note 2 - connector, 2 * 32 contacts:

Studer Nr.	54.11.2005	
Burndy Nr.	PT 64 B 20 ROD AOO ZO	
Philips Nr.	2422 025 89297	
Erni Nr.	9722.543.616	

Note 3 - connector:

case, 24 circuits:	Studer Nr.	54.02.0415
	Molex Nr.	03-06-2242
19 contacts,	Studer Nr.	54.02.0413
	Molex Nr.	02-06-1101
5 contacts,	Studer Nr.	54.02.0412
	Molex Nr.	02-06-1131

Note 4 - connector, 16 contacts:

Studer Nr.	54.14.2002	
Yamaichi Nr.	FAP-16-08//4	
Burndy Nr.	BPH 9 B 16 BOO GS	

Note 5 - connector, 10 contacts:

Studer Nr.	54.14.2001	
Yamaichi Nr.	FAP-10-08//4	
Burndy Nr.	BPH 7 B 10 BOO GS	

Note 6 - connector, 40 contacts:

Studer Nr.	54.14.2004	
Yamaichi Nr.	FAP-40-08//4	
Burndy Nr.	BPH 9 B 40 BOO GS	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

Note 7 - connector, 26 contacts:

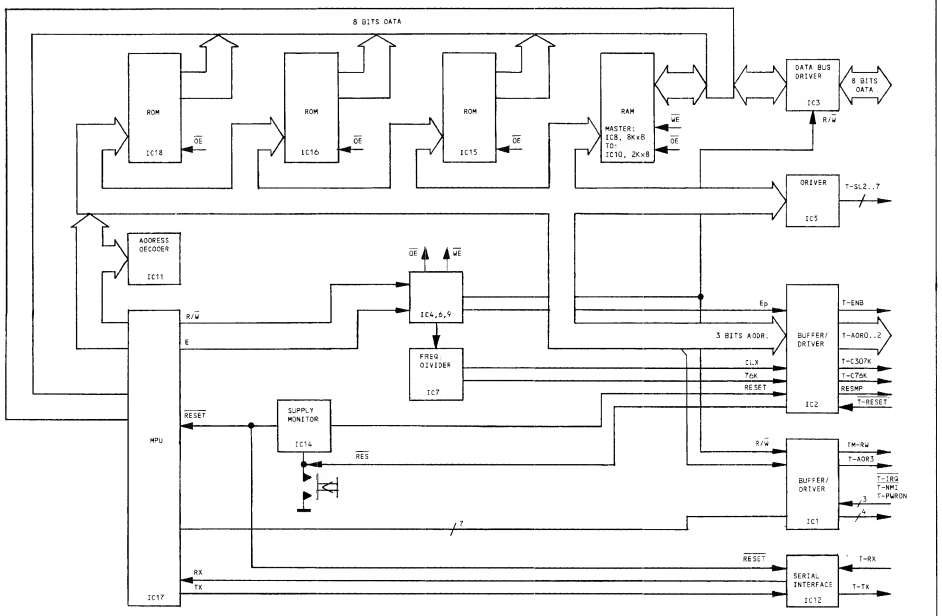
Studer Nr.	54.14.2003	
Yamaichi Nr.	FAP-26-08//4	
Burndy Nr.	BPH 9 B 26 BOO GS	

Note 8 - connector:

case, 6 circuits,	Studer Nr.	54.02.0417
	Molex Nr.	03-06-1061
2 contacts,	Studer Nr.	54.02.0413
	Molex Nr.	02-06-1101

Note 9 - connector:

case, 3 circuits,	Studer Nr.	54.02.0401
	Molex Nr.	03-06-1031
2 contacts,	Studer Nr.	54.02.0412
	Molex Nr.	02-06-1131



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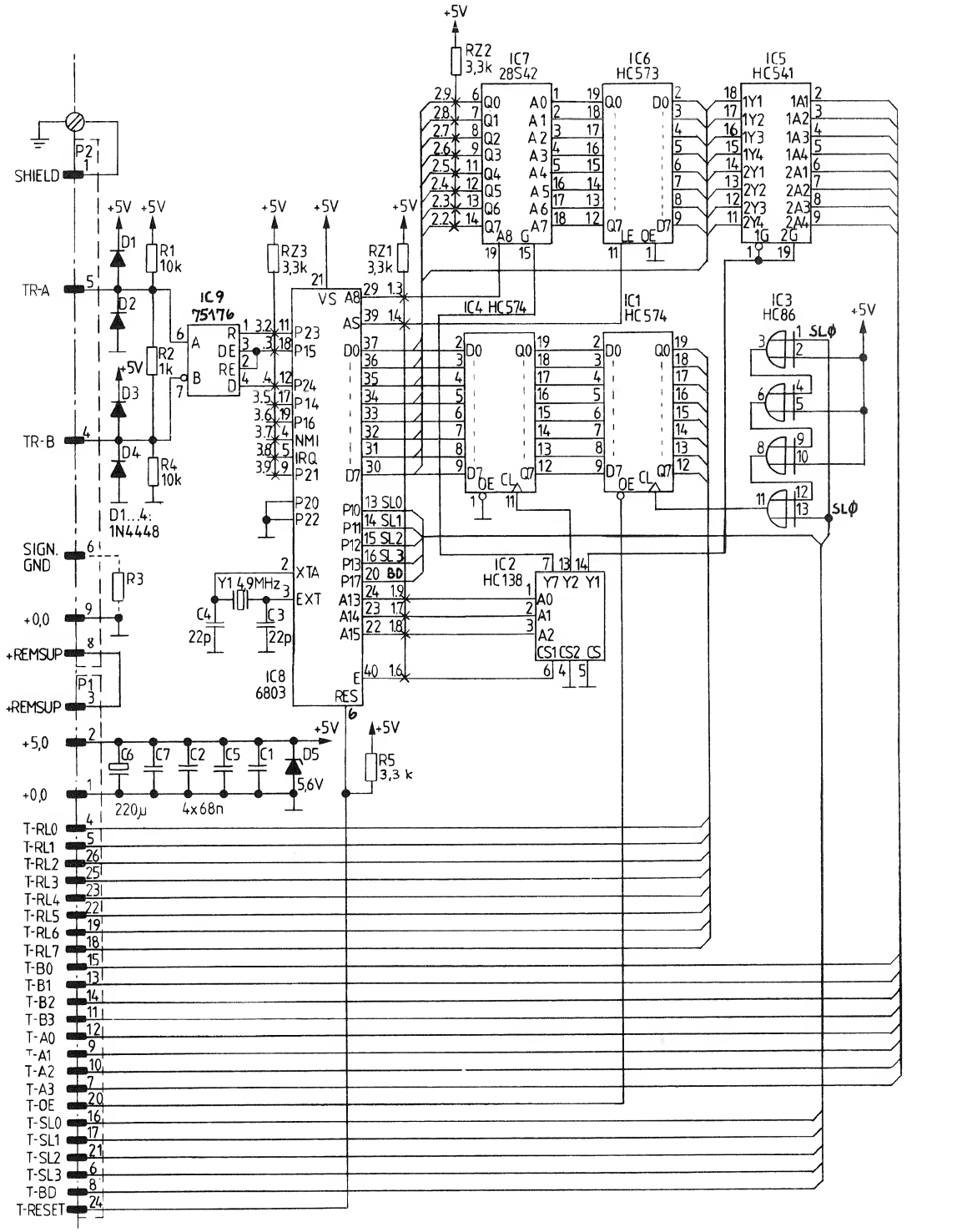
SERIAL REMOTE INTERFACE 1.820.729.00 (OPTIONAL) PAGE 1



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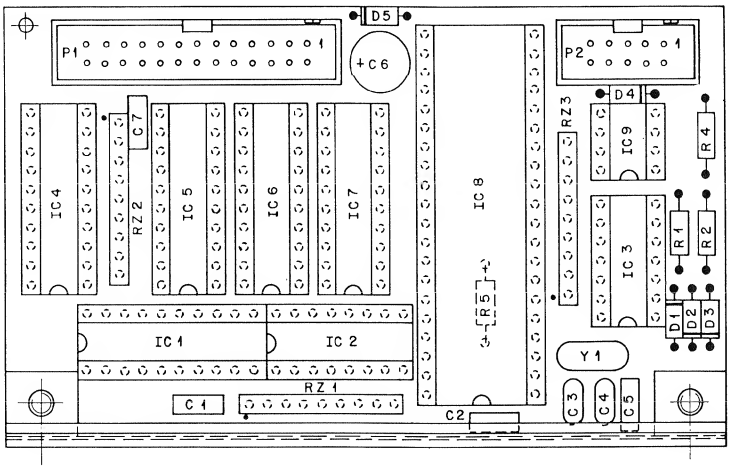
	A820 Options			PAGE 1 OF 1
STUDER	Serial Remote Interface	ESE	SC	1.820.729-00

PUBLISHED: 08/86

SERIAL REMOTE INTERFACE 1.820.729.00 (OPTIONAL) PAGE 2 (LAST)



INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	C.....1	59.40.0683	68nF	10%, PETP	
(20)	C.....2	59.40.0683	68nF	10%, PETP	
(20)	C.....3	59.45.2220	22pF	5%, CER	
(20)	C.....4	59.45.2220	22pF	5%, CER	
(20)	C.....5	59.40.0683	68nF	10%, PETP	
(20)	C.....6	59.22.3221	220uF	20%, 10V EL	
(20)	C.....7	59.40.0683	68nF	10%, PETP	
(20)	D.....1	50.04.0125	1N4448		Fc,ITT,Ses,Ph
(20)	D.....2	50.04.0125	1N4448		Fc,ITT,Ses,Ph
(20)	D.....3	50.04.0125	1N4448		Fc,ITT,Ses,Ph
(20)	D.....4	50.04.0125	1N4448		Fc,ITT,Ses,Ph
(20)	D.....5	50.04.1108	5.6V Z	BZX83 C 5V6, BZX55 C 5V6, ZPD5.6	ITT,Ses
(20)	IC....1	50.17.1574	74HC 574	... 74 HC 574	Ph,Mot,NS,RCA,To,TI
(20)	IC....2	50.17.1138	74HC 138	... 74 HC 138	Mot,NS,Ph,RCA,SGS,TI
(20)	IC....3	50.17.1086	74HC 86	... 74 HC 86	Mot,NS,Ph,RCA,SGS,TI
(20)	IC....4	50.17.1574	74HC 574	... 74 HC 574	Ph,Mot,NS,RCA,To,TI
(20)	IC....5	50.17.1541	74HC 541	... 74 HC 541	Ph,Mot,NS,RCA,To,TI
(20)	IC....6	50.17.1573	74HC 573	... 74 HC 573	Ph,Mot,RCA,To,TI,SGS
(00)	IC....7	50.14.0120	TBP28S42N		TI
(20)	IC....7	1.820.999.20		Software 13/85	St
(20)	IC....8	50.16.0107	MC6803 P-1	HD 6803P-1	Mot,Hi
(20)	IC....9	50.15.0115	SN75176 AP	OS 3695 N	TI,NS
(20)	P.....1	54.14.2003		see note 1	
(20)	P.....2	54.14.2001		see note 2	
(20)	R.....1	57.11.4103	10 kOhm	2%	
(20)	R.....2	57.11.4102	1 kOhm	2%	
(20)	R.....4	57.11.4103	10 kOhm	2%	
(20)	R.....5	57.11.4332	3.3kOhm	2%	
(20)	RZ....1	57.88.4332	8*3.3kOhm	Network, 8 * 3.3 kOhm, 5%, single line	
(20)	RZ....2	57.88.4332	8*3.3kOhm	Network, 8 * 3.3 kOhm, 5%, single line	
(20)	RZ....3	57.88.4332	8*3.3kOhm	Network, 8 * 3.3 kOhm, 5%, single line	

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	Y.....1	89.01.0553		4.9152 MHz, TD 18	

Note 1 - Connector 26 contacts:
Yamaichi Nr. FAP-26-0804
Burndy Nr. BPH 9 B 26 B00 GS

Note 2 - Connector 10 contacts:
Yamaichi Nr. FAP-10-0804
Burndy Nr. BPH 9 B 10 B00 GS

El=Electrolytic, PETP=Polyester, CER=Ceramic, SAL=Solid Aluminium

MANUFACTURERS: Fe=Ferranti, Hi=Hitachi, Is=Intersil, Mot=Motorola,
NS=National Semiconductors, Ph=Philips,
RCA=RCA Corporation, SGS=SGS/Ates, St=Studer
TI=Texas Instruments, To=Toshiba

ORIG 85/03/21 (20) 85/03/21

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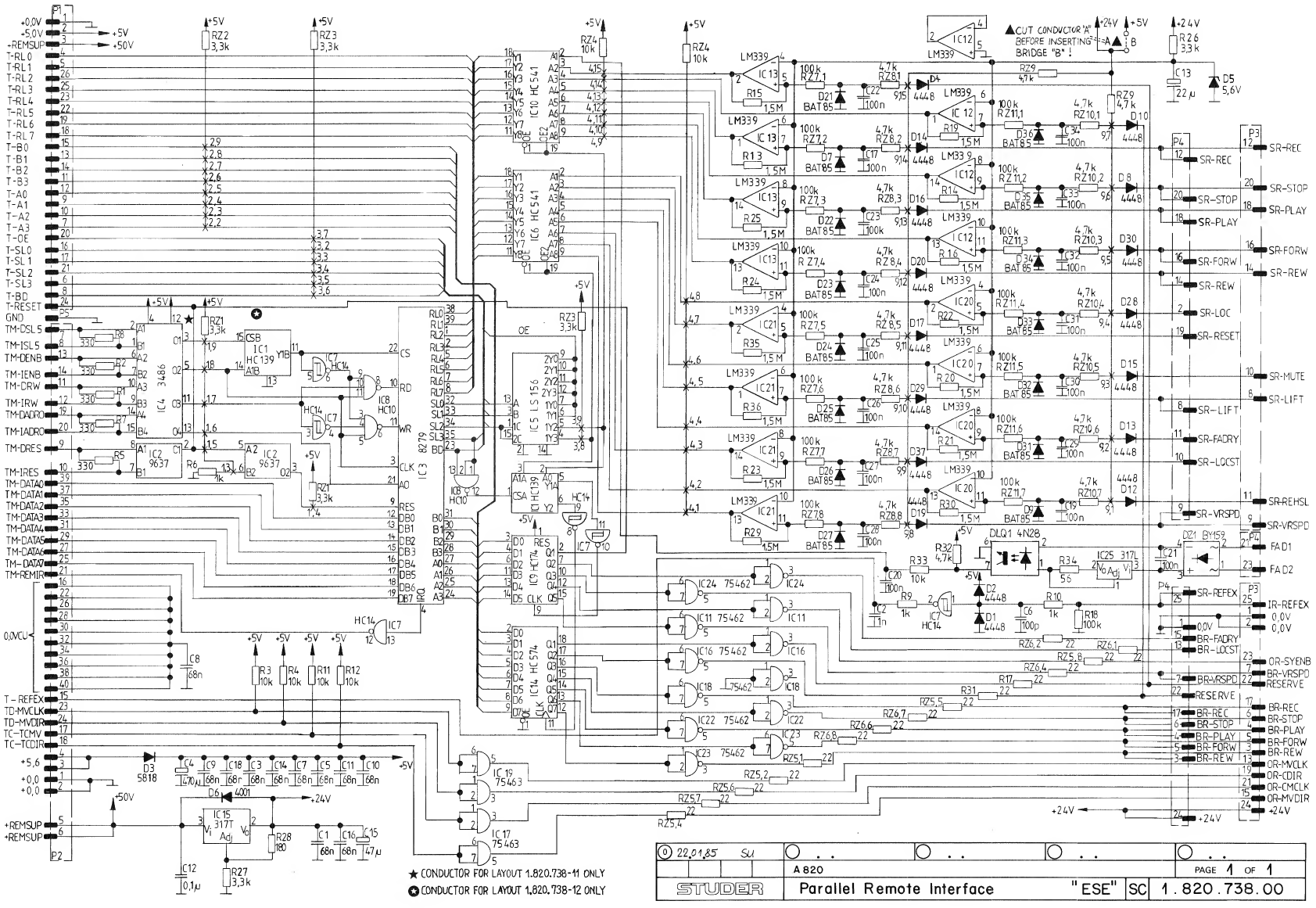
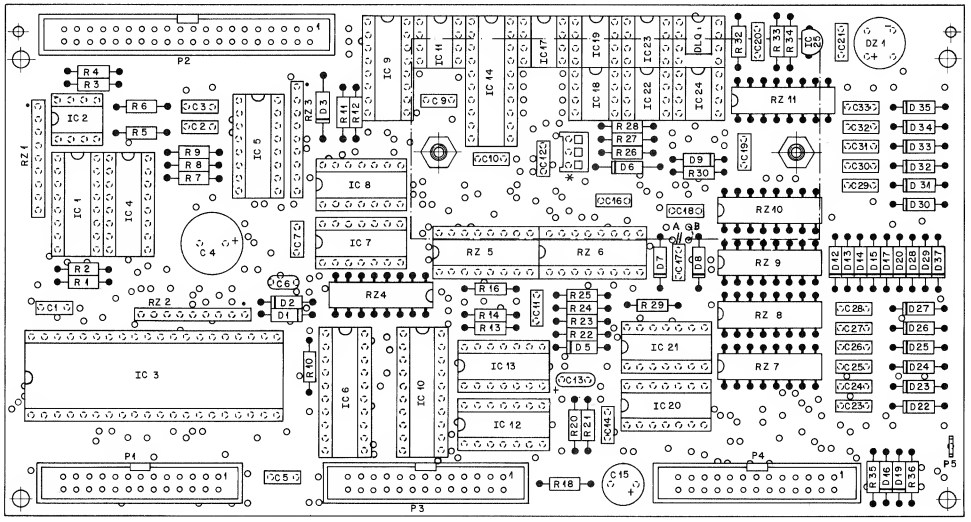
PARALLEL REMOTE INTERFACE 1.820.738.00 (OPTIONAL) PAGE 1



PUBLISHED: 08/86

PARALLEL REMOTE INTERFACE 1.820.738.00 (OPTIONAL) PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R....	14	57.11.5155	1.5 MOhm	5%	
R....	16	57.11.5155	1.5 MOhm	5%	
R....	18	57.11.4104	100 kOhm	2%	
R....	20	57.11.5155	1.5 MOhm	5%	
R....	21	57.11.5155	1.5 MOhm	5%	
R....	22	57.11.5155	1.5 MOhm	5%	
R....	23	57.11.5155	1.5 MOhm	5%	
R....	24	57.11.5155	1.5 MOhm	5%	
R....	25	57.11.5155	1.5 MOhm	5%	
R....	26	57.11.4332	3.3 kOhm	2%	
R....	27	57.11.3332	3.3 kOhm	1%	
R....	28	57.11.3181	180 Ohm	1%	
R....	29	57.11.5155	1.5 MOhm	5%	
R....	30	57.11.5155	1.5 MOhm	5%	
R....	32	57.11.4472	4.7 kOhm	2%	
R....	33	57.11.4103	10 kOhm	2%	
R....	34	57.11.4560	56 Ohm	2%	
R....	35	57.11.5155	1.5 MOhm	5%	
R....	36	57.11.5155	1.5 MOhm	5%	
RZ...	01	57.88.4332		Network: 8 * 3.3 kOhm, 5%, single line	
RZ...	02	57.88.4332		Network: 8 * 3.3 kOhm, 5%, single line	
RZ...	03	57.88.4332		Network: 8 * 3.3 kOhm, 5%, single line	
RZ...	04	57.e05.3103		Network:15 * 10 kOhm, 2%, DIL 16	
RZ...	05	57.88.3220		Network: 8 * 22 Ohm, 2%, DIL 16	
RZ...	06	57.88.3220		Network: 8 * 22 Ohm, 2%, DIL 16	
RZ...	07	57.88.3104		Network: 8 * 100 kOhm, 2%, DIL 16	
RZ...	08	57.88.3472		Network: 8 * 4.7 kOhm, 2%, DIL 16	
RZ...	09	57.e05.3472		Network:15 * 4.7 kOhm, 2%, DIL 16	
RZ...	10	57.88.3472		Network: 8 * 4.7 kOhm, 2%, DIP 16	
RZ...	11	57.88.3104		Network: 8 * 100 kOhm, 2%, DIL 16	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....	01	59.40.0683	68 uF	-10%, PETP	
C....	02	59.40.0102	1 nF	-10%, PETP	
C....	03	59.40.0683	68 nF	-10%, PETP	
C....	04	59.22.3471	470 uF	-20%, 10V, EL	
C....	05	59.40.0683	68 nF	-10%, PETP	
C....	06	59.45.4101	100 pF	5%, CER	
C....	07	59.40.0683	68 nF	-10%, PETP	
C....	09	59.40.0683	68 nF	-10%, PETP	
C....	10	59.40.0683	68 nF	-10%, PETP	
C....	11	59.40.0683	68 nF	-10%, PETP	
C....	12	59.40.0104	0.1 uF	-10%, PETP	
C....	13	59.42.1220	22 uF	-20%, 10V, SAL	
C....	14	59.40.0683	68 nF	-10%, PETP	
C....	15	59.41.6470	47 uF	-20%, 40V, EL	
C....	16	59.40.0683	68 nF	-10%, PETP	
C....	17	59.40.0104	0.1 uF	-10%, PETP	
C....	18	59.40.0683	68 nF	-10%, PETP	
C....	19	59.40.0104	0.1 uF	-10%, PETP	
C....	20	59.40.0104	0.1 uF	-10%, PETP	
C....	21	59.40.0104	0.1 uF	-10%, PETP	
C....	23	59.40.0104	0.1 uF	-10%, PETP	
C....	24	59.40.0104	0.1 uF	-10%, PETP	
C....	25	59.40.0104	0.1 uF	-10%, PETP	
C....	26	59.40.0104	0.1 uF	-10%, PETP	
C....	27	59.40.0104	0.1 uF	-10%, PETP	
C....	28	59.40.0104	0.1 uF	-10%, PETP	
C....	29	59.40.0104	0.1 uF	-10%, PETP	
C....	30	59.40.0104	0.1 uF	-10%, PETP	
C....	31	59.40.0104	0.1 uF	-10%, PETP	
C....	32	59.40.0104	0.1 uF	-10%, PETP	
C....	33	59.40.0104	0.1 uF	-10%, PETP	
D....	01	50.04.0129	1N 4448		Fc+ITT+Phi+Ses
D....	02	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	03	50.04.0512	1N 5818		Mot
D....	05	50.04.1108	5.6 V Z	BZX83 C 5V6, BZX55 C 5V6, ZPD 5.6	ITT+Ses
D....	06	50.04.0122	1N 4001	1N4004	Mot

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D....	07	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	08	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	09	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	12	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	13	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	14	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	15	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	16	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	17	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	19	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	20	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	22	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	23	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	24	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	25	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	26	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	27	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	28	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	29	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	30	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
D....	31	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	32	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	33	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	34	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	35	50.04.0127	BAT 85	BAS 40-02	Phi+Sie
D....	37	50.04.0125	1N 4448		Fc+ITT+Phi+Ses
DLG...	01	50.99.0126	4N 28	4N 26	Mot
DZ...	01	70.01.0223		B 250 C 800 S1	GI+Mot
IC...	01	50.17.1139	74 HC 139	** 74 HC 139 *	Mot+NS+Phi+RCA+SGS+TI+To
IC...	02	50.15.0114	uA9637ATC	uA9637ACP	Fc+TI
IC...	03	50.16.0111	IP 8279-5	MSL 8279 P-5	It+MI
IC...	04	50.15.0104	MC 3486 P	OS 3486 N	Mot+NS
IC...	05	50.06.0156	74 LS 156	SN 74 LS 156 N	Fc+NS+TI
IC...	06	50.17.1541	74 HC 541	** 74 HC 541 *	Mot+NS+Phi+RCA+SGS+TI+To

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC...	07	50.17.1014	74 HC 14	** 74 HC 14 *	Mot+NS+Phi+RCA+TI+To
IC...	08	50.17.1010	74 HC 10	** 74 HC 10 *	Mot+NS+Phi+RCA+SGS+TI+To
IC...	09	50.17.1174	74 HC 174	** 74 HC 174 *	Mot+NS+Phi+RCA+SGS+TI+To
IC...	10	50.17.1541	74 HC 541	** 74 HC 541 *	Mot+NS+Phi+RCA+SGS+TI+To
IC...	11	50.05.0227	SN 75462P		TI
IC...	12	50.11.0104	LM 339 AN	339 AuA 339	Fc+Mot+NS+Tho
IC...	13	50.11.0104	LM 339 AN	339 AuA 339	Fc+Mot+NS+Tho
IC...	14	50.17.1574	74 HC 574	** 74 HC 574 *	Mot+NS+Phi+RCA+SGS+TI+To
IC...	19	50.10.0104	LM 317 T	LM 317 SP	NS+Mot+TI+Tho
IC...	17	50.05.0203	SN 75463P		TI
IC...	18	50.05.0227	SN 75462P		TI
IC...	19	50.05.0203	SN 75463P		TI
IC...	20	50.11.0104	LM 339 AN	339 AuA 339	NS+Fc+Mot+Tho
IC...	21	50.11.0104	LM 339 AN	339 AuA 339	NS+Fc+Mot+Tho
IC...	22	50.05.0227	SN 75462P		TI
IC...	23	50.05.0227	SN 75462P		TI
IC...	24	50.05.0227	SN 75462P		TI
IC...	25	50.10.0108	LM 317 LZ		NS+Mot
P....	01	54.14.2003		see note 2	
P....	02	54.14.2004		see note 1	
P....	03	54.14.2003		see note 2	
P....	04	54.14.2003		see note 2	
R....	01	57.11.4331	330 Ohm	2%	
R....	02	57.11.4331	330 Ohm	2%	
R....	03	57.11.4103	10 kOhm	2%	
R....	04	57.11.4103	10 kOhm	2%	
R....	05	57.11.4331	330 Ohm	2%	
R....	06	57.11.4102	1 kOhm	2%	
R....	07	57.11.4331	330 Ohm	2%	
R....	08	57.11.4331	330 Ohm	2%	
R....	09	57.11.4102	1 kOhm	2%	
R....	10	57.11.4102	1 kOhm	2%	
R....	11	57.11.4103	10 kOhm	2%	
R....	12	57.11.4103	10 kOhm	2%	
R....	13	57.11.5155	1.5 MOhm	5%	

Note 1 - Connector 40 contacts:
Yamaichi Nr. FAP-40-0824
Burndy Nr. BPH 9 B 40 800 GS

Note 2 - Connector 26 contacts:
Yamaichi Nr. FAP-26-0824
Burndy Nr. BPH 9 B 26 800 GS

El=Electrolytic, PETP=Polyester, CER=Ceramic, SAL=Solid Aluminium

MANUFACTURERS: Fc=Fairchild, GI=General Instruments, It=Intcel, Mi=Mitsubishi,
Mot=Motorola, NS=National Semiconductors, Ph=Philips,
RCA=RCA Corporation, SGS=SGS/Ates, Tho=Thomson,
TI=Texas Instruments, To=Toshiba.

ORIG 85/01/22

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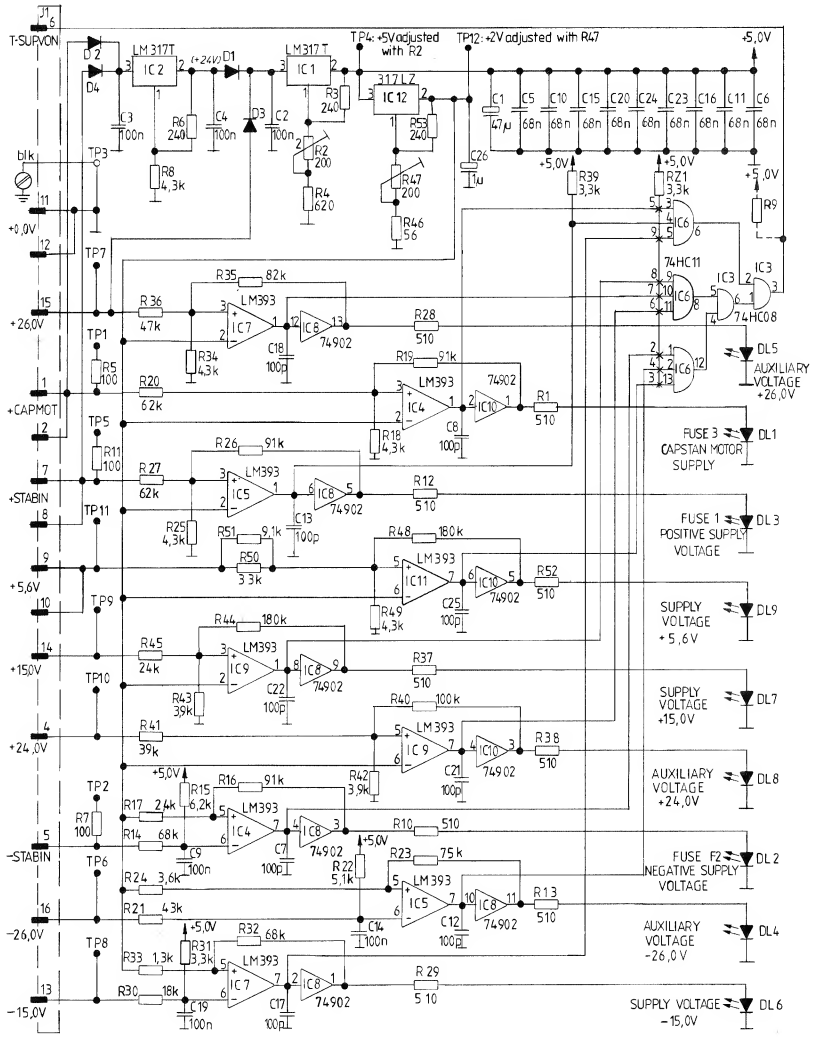
FUSE/SUPPLY FAILURE DETECTOR 1.820.737.00 PAGE 1



0 13.11.84 L. Werner				
	A 820			PAGE 1 OF 1
STUDER	Fuse / Supply Failure Detector		SC	1.820.737.00

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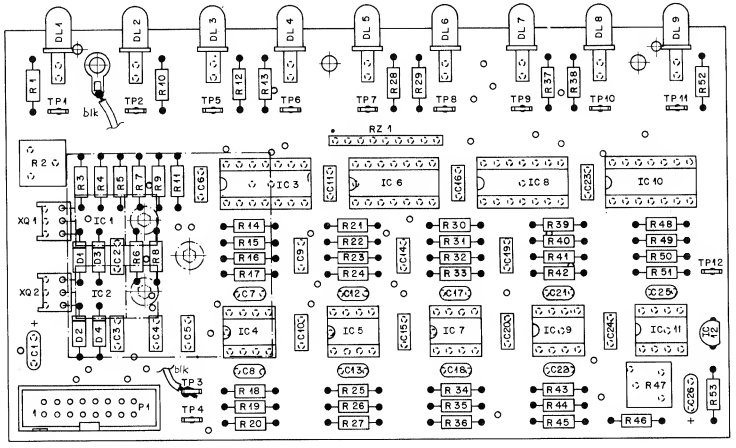
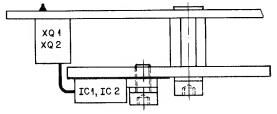
FUSE/SUPPLY FAILURE DETECTOR 1.820.737.00 PAGE 2 (LAST)





IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.26.0470	47 uF	20%, 6.3V	Ph
	C....2	59.06.0104	100 nF	10%	Sie
	C....3	59.06.0104	100 nF	10%	Sie
	C....4	59.06.0104	100 nF	10%	Sie
	C....5	59.06.0683	68 nF	20%	Sie
	C....6	59.06.0683	68 nF	20%	Sie
	C....7	59.45.4101	100 pF	10%	Ph
	C....8	59.45.4101	100 pF	10%	Ph
	C....9	59.06.0104	100 nF	10%	Sie
	C....10	59.06.0683	68 nF	20%	Sie
	C....11	59.06.0683	68 nF	20%	Sie
	C....12	59.45.4101	100 pF	10%	Ph
	C....13	59.45.4101	100 pF	10%	Ph
	C....14	59.06.0104	100 nF	10%	Sie
	C....15	59.06.0683	68 nF	20%	Sie
	C....16	59.06.0683	68 nF	20%	Sie
	C....17	59.45.4101	100 pF	10%	Ph
	C....18	59.45.4101	100 pF	10%	Ph
	C....19	59.06.0104	100 nF	10%	Sie
	C....20	59.06.0683	68 nF	20%	Sie
	C....21	59.45.4101	100 pF	10%	Ph
	C....22	59.45.4101	100 pF	10%	Ph
	C....23	59.06.0683	68 nF	20%	Sie
	C....24	59.06.0683	68 nF	20%	Sie
	C....25	59.45.4101	100 pF	10%	Ph
	C....26	59.26.9109	1.0 uF	20%, 6.3V	Ph
	D....1	50.04.0122	1N 4001	(BIS 4004)	Mot+GI+Sol
	D....2	50.04.0122	1N 4001	(BIS 4004)	Mot+GI+Sol
	D....3	50.04.0122	1N 4001	(BIS 4004)	Mot+GI+Sol
	D....4	50.04.0122	1N 4001	(BIS 4004)	Mot+GI+Sol
	DL....1	50.04.2113	gn diff;	MV 5453+HLMP 3507	Ms+CM+HP
	DL....2	50.04.2113	gn diff;	MV 5453+HLMP 3507	Ms+CM+HP
	DL....3	50.04.2113	gn diff;	MV 5453+HLMP 3507	Ms+CM+HP
	DL....4	50.04.2113	gn diff;	MV 5453+HLMP 3507	Ms+CM+HP
	DL....5	50.04.2113	gn diff;	MV 5453+HLMP 3507	Ms+CM+HP

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	DL....6	50.04.2113	gn diff;	MV 5453+HLMP 3507	Ms+CM+HP
	DL....7	50.04.2113	gn diff;	MV 5453+HLMP 3507	Ms+CM+HP
	DL....8	50.04.2113	gn diff;	MV 5453+HLMP 3507	Ms+CM+HP
	DL....9	50.04.2113	gn diff;	MV 5453+HLMP 3507	Ms+CM+HP
	IC....1	50.10.0104	LM 317 T	+1.2-37 V +V-REG	NSC+Mot,TI
	IC....2	50.10.0104	LM 317 T	+1.2-37 V +V-REG	NSC+Mot+TI
	IC....3	50.17.1008	74 HC 08		Ph+Mot+NS+RCA+ToxTI
	IC....4	50.05.0283	LM 393 N	LM 393 P	TI+NS
	IC....5	50.05.0283	LM 393 N	LM 393 P	TI+NS
	IC....6	50.17.1011	74 HC 11		Ph+Mot+NS+RCA+ToxTI
	IC....7	50.05.0283	LM 393 N	LM 393 P	TI+NS
	IC....8	50.07.0902	74 C 902	N	NS
	IC....9	50.05.0283	LM 393 N	LM 393 P	TI+NS
	IC....10	50.07.0902	74 C 902	N	NS
	IC....11	50.05.0283	LM 393 N	LM 393 P	TI+NS
	IC....12	50.10.0108	LM 317 LZ	+1.2-37 V +V-REG	Nat+Mot
	P....1	54.14.2002		Plug see note 1	
	R....1	57.11.3511	510 Ohm	2%	
	R....2	58.01.8201	200 Ohm	Potentiometer, see note 2	
	R....3	57.11.3241	240 Ohm	2%	
	R....4	57.11.3621	620 Ohm	2%	
	R....5	57.19.0101	100 Ohm	10%	
	R....6	57.11.3241	240 Ohm	2%	
	R....7	57.19.0101	100 Ohm	10%	
	R....8	57.11.3432	4.3 kOhm	2%	
(00)	R....9	57.11.3332	3.3 kOhm	10%	
(01)	R....9		not used		
	R....10	57.11.3511	510 Ohm	2%	
	R....11	57.19.0101	100 Ohm	10%	
	R....12	57.11.3511	510 Ohm	2%	
	R....13	57.11.3511	510 Ohm	2%	
	R....14	57.11.4683	68 kOhm	2%	
	R....15	57.11.3622	6.2 kOhm	2%	
	R....16	57.11.3913	91 kOhm	2%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....17	57.11.3242	2.4 kOhm	2%	
	R....18	57.11.3432	4.3 kOhm	2%	
	R....19	57.11.3913	91 kOhm	2%	
	R....20	57.11.3623	62 kOhm	2%	
	R....21	57.11.3433	43 kOhm	2%	
	R....22	57.11.3912	9.1 kOhm	2%	
	R....23	57.11.3753	75 kOhm	2%	
	R....24	57.11.3362	3.6 kOhm	2%	
	R....25	57.11.3432	4.3 kOhm	2%	
	R....26	57.11.3913	91 kOhm	2%	
	R....27	57.11.3623	62 kOhm	2%	
	R....28	57.11.3511	510 Ohm	2%	
	R....29	57.11.3511	510 Ohm	2%	
	R....30	57.11.3183	18 kOhm	1%	
	R....31	57.11.3332	3.3 kOhm	1%	
	R....32	57.11.3683	68 kOhm	1%	
	R....33	57.11.3132	1.3 kOhm	1%	
	R....34	57.11.3432	4.3 kOhm	2%	
	R....35	57.11.4823	82 kOhm	2%	
	R....36	57.11.4473	47 kOhm	2%	
	R....37	57.11.3511	510 Ohm	2%	
	R....38	57.11.3511	510 Ohm	2%	
	R....39	57.11.3332	3.3 kOhm	1%	
	R....40	57.11.4104	100 kOhm	2%	
	R....41	57.11.4393	39 kOhm	2%	
	R....42	57.11.3392	3.9 kOhm	2%	
	R....43	57.11.3392	3.9 kOhm	1%	
	R....44	57.11.3184	180 kOhm	1%	
	R....45	57.11.3243	24 kOhm	1%	
	R....46	57.11.4560	56 Ohm	2%	
	R....47	58.01.8201	200 Ohm	Potentiometer, see note 2	
	R....48	57.11.3184	180 kOhm	1%	
	R....49	57.11.3432	4.3 kOhm	1%	
	R....50	57.11.3333	33 kOhm	1%	
	R....51	57.11.3912	9.1 kOhm	1%	
	R....52	57.11.3511	510 Ohm	2%	
	R....53	57.11.3241	240 Ohm	2%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....1	57.11.3242	2.4 kOhm	2%	
	R....2	57.11.3432	4.3 kOhm	2%	
	R....3	57.11.3913	91 kOhm	2%	
	R....4	57.11.3623	62 kOhm	2%	
	R....5	57.11.3433	43 kOhm	2%	
	R....6	57.11.3912	9.1 kOhm	2%	
	R....7	57.11.3753	75 kOhm	2%	
	R....8	57.11.3362	3.6 kOhm	2%	
	R....9	57.11.3432	4.3 kOhm	2%	
	R....10	57.11.3913	91 kOhm	2%	
	R....11	57.11.3623	62 kOhm	2%	
	R....12	57.11.3511	510 Ohm	2%	
	R....13	57.11.3511	510 Ohm	2%	
	R....14	57.11.3183	18 kOhm	1%	
	R....15	57.11.3332	3.3 kOhm	1%	
	R....16	57.11.3683	68 kOhm	1%	
	R....17	57.11.3132	1.3 kOhm	1%	
	R....18	57.11.3432	4.3 kOhm	2%	
	R....19	57.11.4823	82 kOhm	2%	
	R....20	57.11.4473	47 kOhm	2%	
	R....21	57.11.3511	510 Ohm	2%	
	R....22	57.11.3511	510 Ohm	2%	
	R....23	57.11.3332	3.3 kOhm	1%	
	R....24	57.11.4104	100 kOhm	2%	
	R....25	57.11.4393	39 kOhm	2%	
	R....26	57.11.3392	3.9 kOhm	2%	
	R....27	57.11.3392	3.9 kOhm	1%	
	R....28	57.11.3184	180 kOhm	1%	
	R....29	57.11.3243	24 kOhm	1%	
	R....30	57.11.4560	56 Ohm	2%	
	R....31	58.01.8201	200 Ohm	Potentiometer, see note 2	
	R....32	57.11.3184	180 kOhm	1%	
	R....33	57.11.3432	4.3 kOhm	1%	
	R....34	57.11.3333	33 kOhm	1%	
	R....35	57.11.3912	9.1 kOhm	1%	
	R....36	57.11.3511	510 Ohm	2%	
	R....37	57.11.3241	240 Ohm	2%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R2....1	57.88.4332	3.3 kOhm	10% see note 3	
	TP....1	54.02.0320		Testpoint	
	TP....2	54.02.0320		Testpoint	
	TP....3	54.02.0320		Testpoint	
	TP....4	54.02.0320		Testpoint	
	TP....5	54.02.0320		Testpoint	
	TP....6	54.02.0320		Testpoint	
	TP....7	54.02.0320		Testpoint	
	TP....8	54.02.0320		Testpoint	
	TP....9	54.02.0320		Testpoint	
	TP....10	54.02.0320		Testpoint	
	TP....11	54.02.0320		Testpoint	
	TP....12	54.02.0320		Testpoint	
	XQ....1	50.20.1017		TO 220 plug. see note 4	
	XQ....2	50.20.1017		TO 220 plug. see note 4	

(01) 12.07.85 Reduction of load (IC 3)

Note 1 - Plug: 16 Pol
Yamaichi FAP-16-08//K
Burndy BPH 9 B 16 800 GS

Note 2 - Potentiometer: 200 Ohm, 10%, .5W, PMG
Allen Bradley E 20 201
Bourns 3386 F-1-201
Spectrol 63M 201 T010

Note 3 - Network: 6 R 3.3 kOhm, 5%, single line
Sicovend C09 X 3.3 K J
Imeltro 408 3.3 K 5%

Note 4 - TO220 plug: RM 2.54
Lumberg 2+5 MB - 3-polig

Manufacturer: AB=Allen Bradley, CM=Chicago Miniature, GI=General Instruments, HP=Hewlet Packard, ITT=Intermetall, Mot=Motorola, Ms=Monsanto/Intern. Rectifier, NS=National Semiconductors, Ph=Philips(incl. Valvo), RCA=Radio Corporation of America, Sie=Siemens, Sol=Solitron, TI=Texas Instruments, To=Toshiba.

ORIG 84/11/13 (01) 85/07/12

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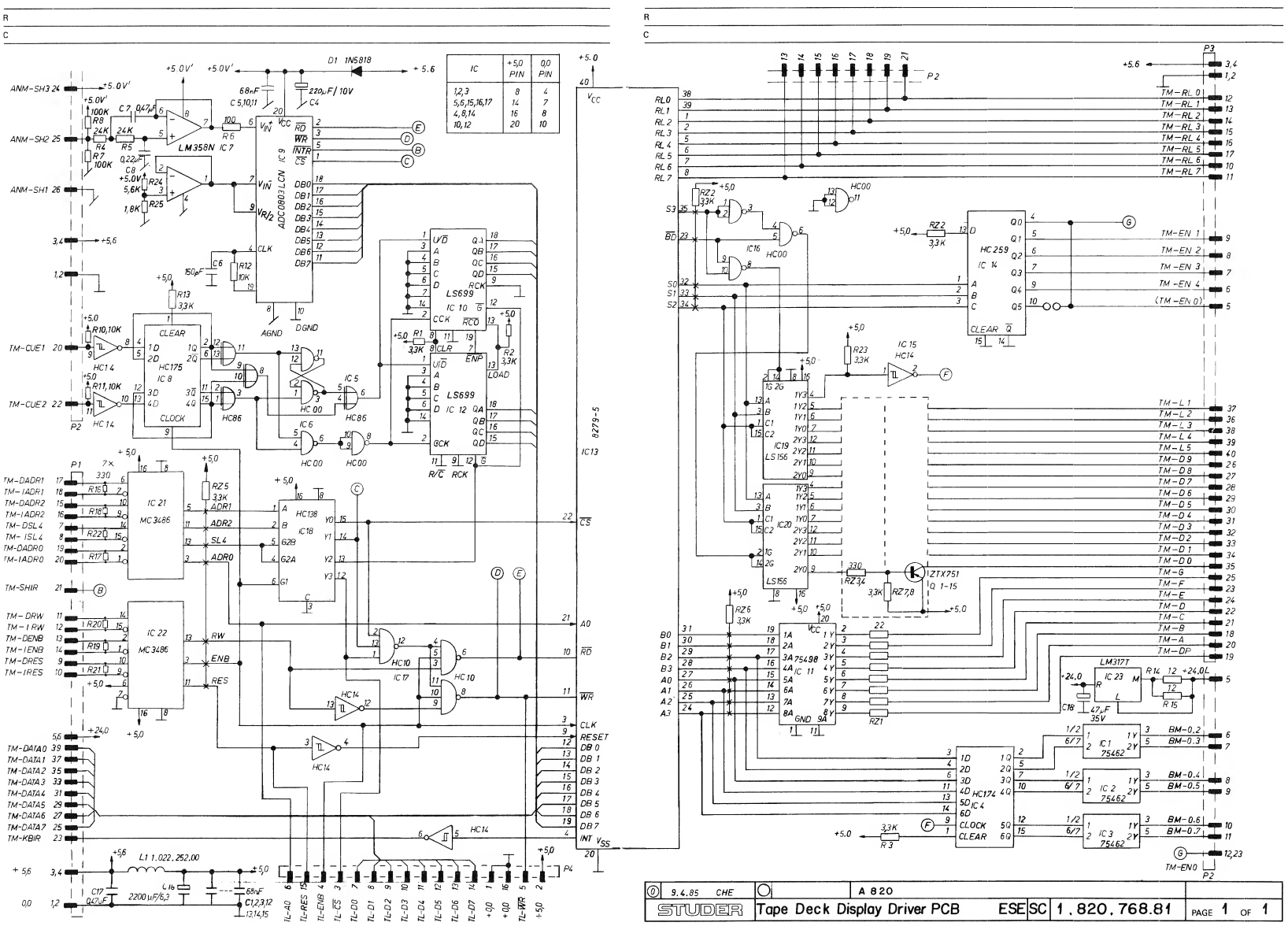
TAPE DECK DISPLAY DRIVER 1.820.768.81 PAGE 1



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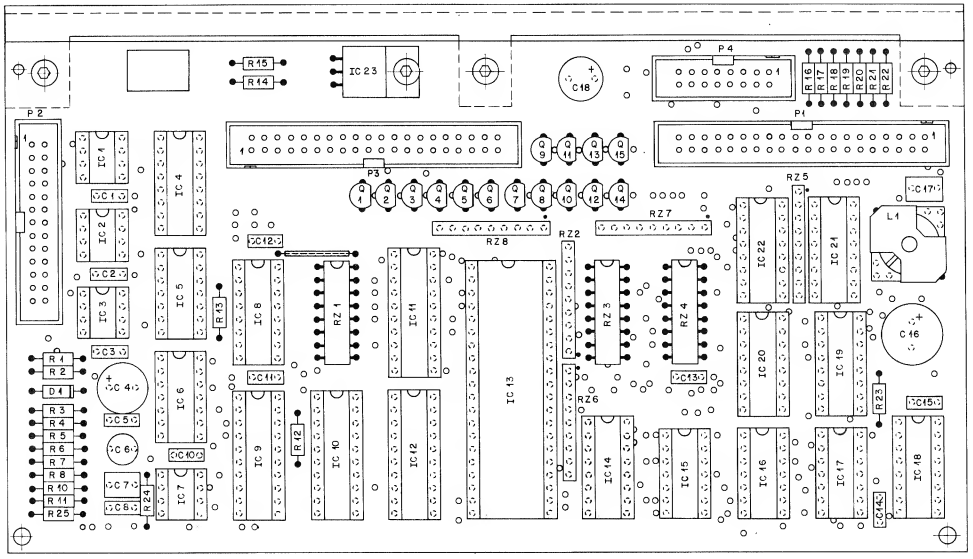
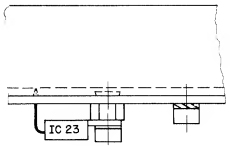
TAPE DECK DISPLAY DRIVER 1.820.768.81 PAGE 2 (LAST)





INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....	1	59.06.0683	68 nF	-10%, PETP	
C....	2	59.06.0683	68 nF	-10%, PETP	
C....	3	59.06.0683	68 nF	-10%, PETP	
C....	4	59.22.3221	220 uF	-20%, 10V, EI	
C....	5	59.06.0683	68 nF	-10%, PETP	
C....	6	59.05.2151	150 pF	2.5%, PP	
C....	7	59.06.0474	470 nF	-20%, PETP	
C....	8	59.06.0224	220 nF	-20%, PETP	
C....	10	59.06.0683	68 nF	-10%, PETP	
C....	11	59.06.0683	68 nF	-10%, PETP	
C....	12	59.06.0683	68 nF	-10%, PETP	
C....	13	59.06.0683	68 nF	-10%, PETP	
C....	14	59.06.0683	68 nF	-10%, PETP	
C....	15	59.06.0683	68 nF	-10%, PETP	
C....	16	59.22.2222	2200 uF	-20%, 6.3V, EI	
C....	17	59.06.0474	470 nF	-10%, PETP	
C....	18	59.22.4470	47 uF	-10%, 40V, EI	
D....	1	50.04.0512	1N 5818	1N 5819	Mot
IC....	1	50.05.0227	SN 75462 P	SN 75462 JG, SN 75472 P	TI
IC....	2	50.05.0227	SN 75462 P	SN 75462 JG, SN 75472 P	TI
IC....	3	50.05.0227	SN 75462 P	SN 75462 JG, SN 75472 P	TI
IC....	4	50.17.1174	74 HC 174		Mot,NS,Ph,RCA,SGS,TI,To
IC....	5	50.17.1086	74 HC 86		Mot,NS,Ph,RCA,TI,To
IC....	6	50.17.1000	74 HC 00		Mot,NS,Ph,RCA,TI,To
IC....	7	50.05.0286	LM 358 N	LM 358 P	Mot,NS,TI
IC....	8	50.17.1175	74 HC 175		Mot,NS,Ph,SGS,TI,To
IC....	9	50.07.0029	ADC0803LCN		Is,NS
IC....	10	50.06.0699	74 LS 699		Mot,NS,TI
IC....	11	50.15.0113	SN 75498 N		TI
IC....	12	50.06.0699	74 LS 699		Mot,NS,TI
IC....	13	50.16.0111	IP 8279-5	M 5 L 8279 P-5	It,Mi
IC....	14	50.17.1259	74 HC 259		Mot,NS,Ph,RCA,SGS,TI,To
IC....	15	50.17.1014	74 HC 14		Mot,NS,Ph,RCA,TI,To
IC....	16	50.17.1000	74 HC 00		Mot,NS,Ph,RCA,SGS,TI,To
IC....	17	50.17.1010	74 HC 10		Mot,NS,Ph,RCA,TI,To

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC....	18	50.17.1138	74 HC 138		Mot,NS,Ph,RCA,SGS,TI,To
IC....	19	50.06.0156	74 LS 156		Fc,NS,TI
IC....	20	50.06.0156	74 LS 156		Fc,NS,TI
IC....	21	50.15.0104	MC 3486 P	DS 3486 N	Mot,NS
IC....	22	50.15.0104	MC 3486 P	DS 3486 N	Mot,NS
IC....	23	50.10.0104	LM 317 T	...KC, ...SP	Mot,NS,SGS,ThoTI
L....	1	1.022.252.00	0.32 mH	Filter Coil	St
P....	1	54.14.2004		see note 1	
P....	2	54.14.2003		see note 2	
P....	3	54.14.2004		see note 1	
P....	4	54.14.2002		see note 3	
Q....	1	50.03.0352	ZTX 751 S		Fe
Q....	2	50.03.0352	ZTX 751 S		Fe
Q....	3	50.03.0352	ZTX 751 S		Fe
Q....	4	50.03.0352	ZTX 751 S		Fe
Q....	5	50.03.0352	ZTX 751 S		Fe
Q....	6	50.03.0352	ZTX 751 S		Fe
Q....	7	50.03.0352	ZTX 751 S		Fe
Q....	8	50.03.0352	ZTX 751 S		Fe
Q....	9	50.03.0352	ZTX 751 S		Fe
Q....	10	50.03.0352	ZTX 751 S		Fe
Q....	11	50.03.0352	ZTX 751 S		Fe
Q....	12	50.03.0352	ZTX 751 S		Fe
Q....	13	50.03.0352	ZTX 751 S		Fe
Q....	14	50.03.0352	ZTX 751 S		Fe
Q....	15	50.03.0352	ZTX 751 S		Fe
R....	1	57.11.4332	3.3 kOhm	2%	
R....	2	57.11.4332	3.3 kOhm	2%	
R....	3	57.11.4332	3.3 kOhm	2%	
R....	4	57.11.3243	24 kOhm	1%	
R....	5	57.11.3243	24 kOhm	1%	
R....	6	57.11.4121	120 Ohm	2%	
R....	7	57.11.4104	100 kOhm	2%	

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R....	8	57.11.4104	100 kOhm	2%	
R....	10	57.11.4103	10 kOhm	2%	
R....	11	57.11.4103	10 kOhm	2%	
R....	12	57.11.4103	10 kOhm	2%	
R....	13	57.11.4332	3.3 kOhm	2%	
R....	14	57.11.4120	12 Ohm	2%	
R....	15	57.11.4120	12 Ohm	2%	
R....	16	57.11.4331	330 Ohm	2%	
R....	17	57.11.4331	330 Ohm	2%	
R....	18	57.11.4331	330 Ohm	2%	
R....	19	57.11.4331	330 Ohm	2%	
R....	20	57.11.4331	330 Ohm	2%	
R....	21	57.11.4331	330 Ohm	2%	
R....	22	57.11.4331	330 Ohm	2%	
R....	23	57.11.4332	3.3 kOhm	2%	
R....	24	57.11.3562	5.6 kOhm	1%	
R....	25	57.11.3182	1.8 kOhm	1%	
R2....	1	57.88.3220		Network, 8 * 22 Ohm, 2%, DIL 16	
R2....	2	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	
R2....	3	57.88.3331		Network, 8 * 330 Ohm, 2%, DIL 16	
R2....	4	57.88.3331		Network, 8 * 330 Ohm, 2%, DIL 16	
R2....	5	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	
R2....	6	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	
R2....	7	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	
R2....	8	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	

Note 1 - Connector 40 contacts:
Yamaichi Nr. FAP-40-0824
Burndy Nr. 8PH 9 8 40 800 GS

Note 2 - Connector 26 contacts:
Yamaichi Nr. FAP-26-0824
Burndy Nr. 8PH 9 8 26 800 GS

Note 3 - Connector 16 contacts:
Yamaichi Nr. FAP-16-0824
Burndy Nr. 8PH 9 8 16 800 GS

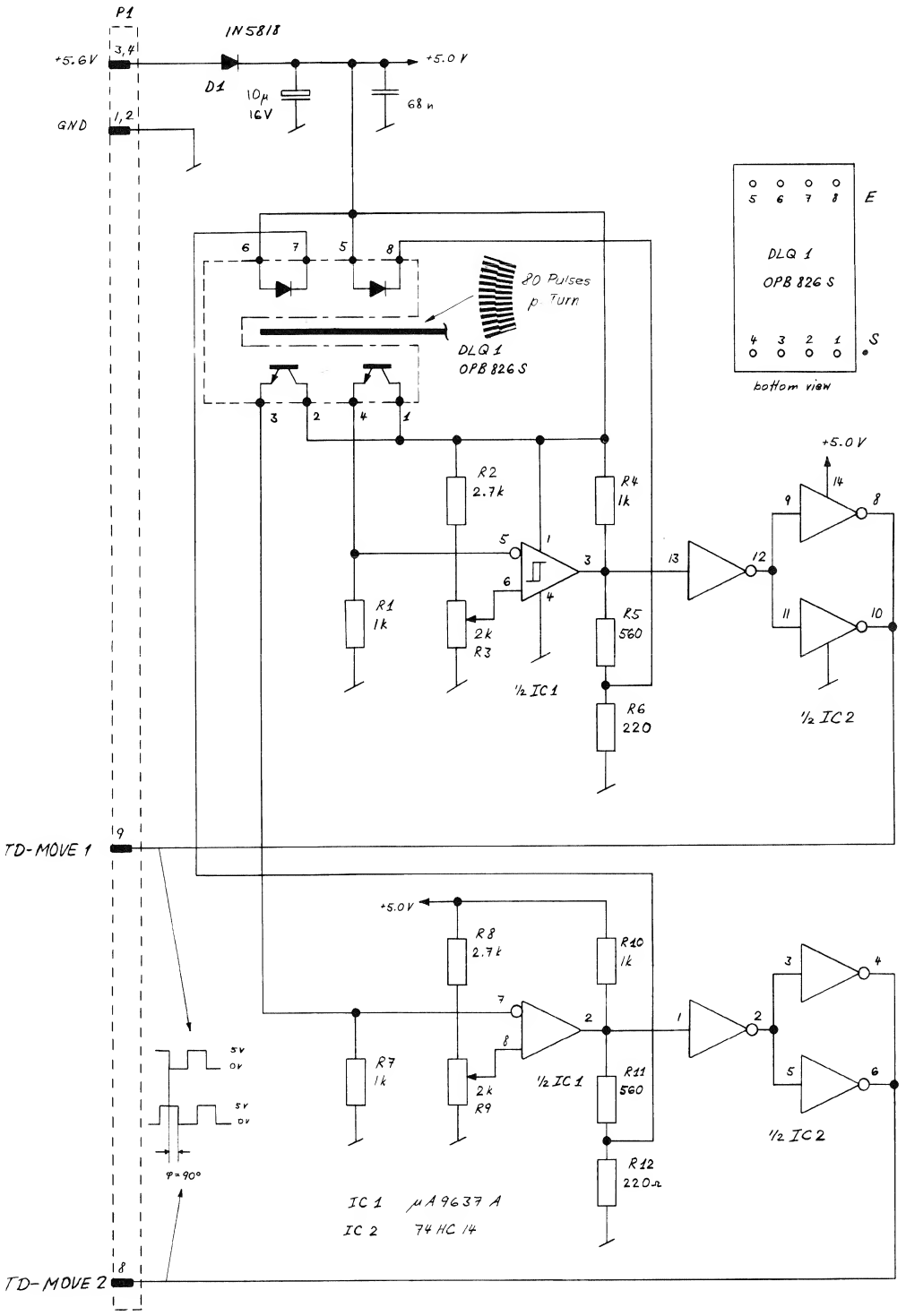
El=Electrolytic, PETP=Polyester, PP=Polypropylene

MANUFACTURERS: Fc=Fairchild, Fe=Ferranti, Is=Intersil, It=Intel,
Mi=Mitsubishi, Mot=Motorola,
NS=National Semiconductors, Ph=Philips,
RCA=RCA Corporation, SGS=SGS/Ates, St=Studer,
Tho=Thomson, TI=Texas Instruments, To=Toshiba.

ORIG 85/03/21

PUBLISHED: 08/86

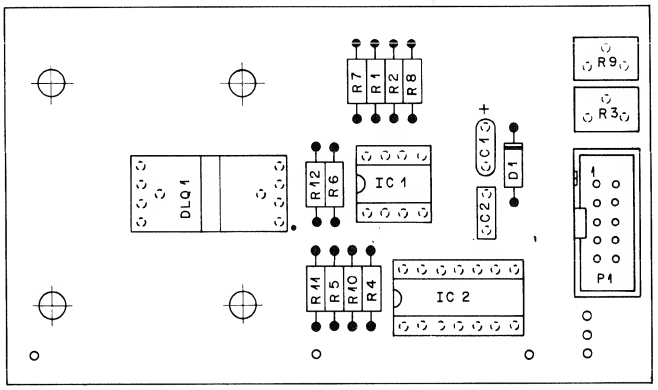
MOVE SENSOR 1.820.770.00 PAGE 1



11.12.84		A 820 Tape Transport Section	
STUDER	Move Sensor PCB	SC 1.820.770.00	PAGE 1 OF 1

PUBLISHED: 08/86

MOVE SENSOR 1.820.770.00 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.26.2100	10 uF	20%, 16V , Sal	Ph
	C.....2	59.06.0683	68 nF	10%, 63V , PETP	
	D.....1	50.04.0512	1N 5818	1N 5819	Mot
	OLQ...1	50.99.0166	OPB 826 S		Op
	IC....1	50.15.0114	uA9637ACP	9637 ATC	Fc,TI
	IC....2	50.17.1014	74 HC 14		Ph,Mot,NS,RCA,TI,To
	P.....1	54.14.2001		see note 1	
	R.....1	57.11.4102	1 kOhm	2%	
	R.....2	57.11.4272	2.7 kOhm	2%	
	R.....3	58.05.0202	2 kOhm	see note 2	
	R.....4	57.11.4102	1 kOhm	2%	
	R.....5	57.11.4561	560 Ohm	2%	
	R.....6	57.11.4221	220 Ohm	2%	
	R.....7	57.11.4102	1 kOhm	2%	
	R.....8	57.11.4272	2.7 kOhm	2%	
	R.....9	58.05.0202	2 kOhm	see note 2	
	R....10	57.11.4102	1 kOhm	2%	
	R....11	57.11.4561	560 Ohm	2%	
	R....12	57.11.4221	220 Ohm	2%	

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

Note 1 - Connector: Yamaichi Nr. FAP-10-08/ 4
Burndy Nr. BPH 7 B 10 B00 GS

Note 2 - Potentiometer: Bourns Nr. 3296 Z - 1 - 202
Spectrol Nr. 64 Z 202 T 000

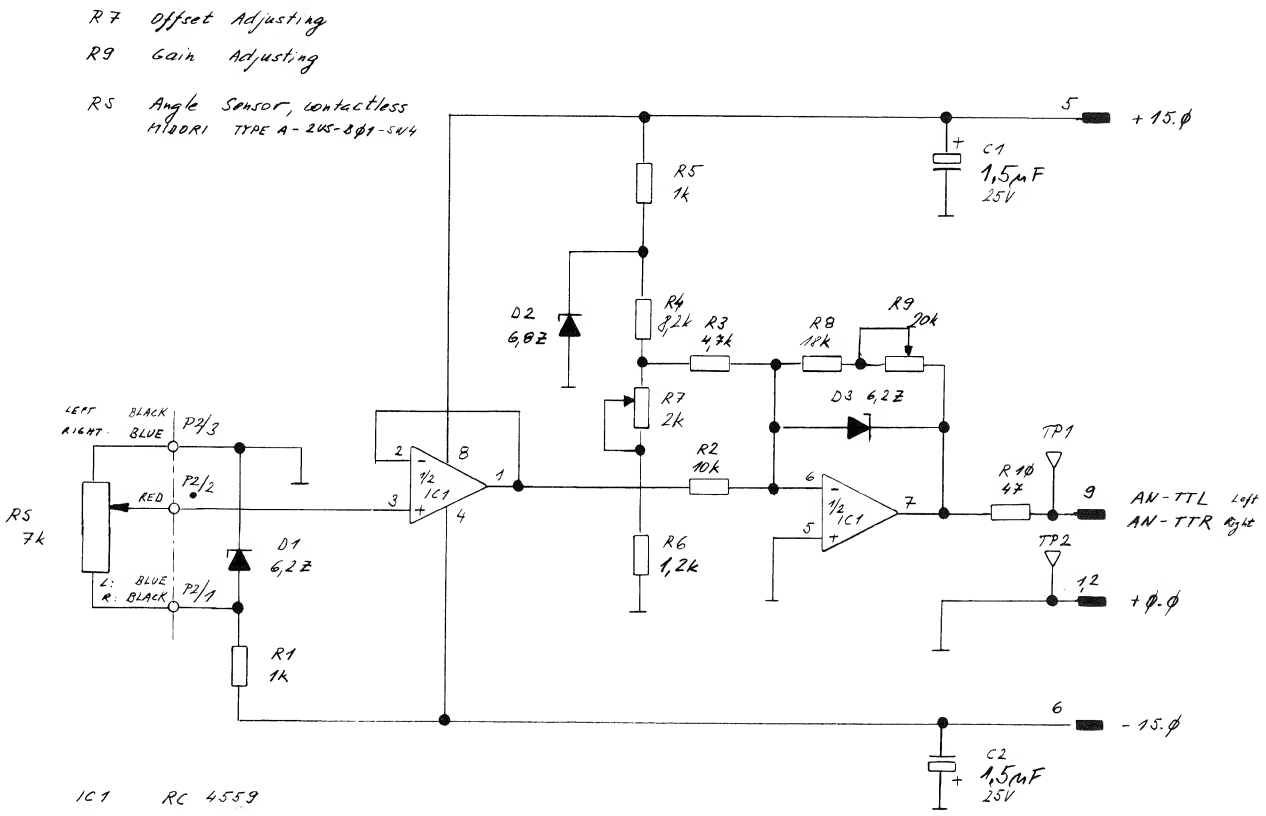
Sal=Solid aluminium

Manufacturer: Fc=Fairchild, Mot=Motorola, NS=National Semiconductors,
Op=Optron, Ph=Philips, RCA=Radio Corporation of America,
TI=Texas Instruments, To=Toshiba.

ORIG 84/12/11

PUBLISHED: 08/86

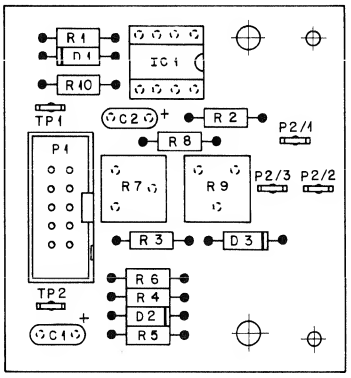
TAPE TENSION SENSOR 1.820.772.00 PAGE 1



0	18.2.85 HL		A820 Tape Transport Section		
STUDER	Tape Tension Sensor PCB	SC	1.820.772.00	PAGE 1	OF 1

PUBLISHED: 08/86

TAPE TENSION SENSOR 1.820.772.00 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.26.5159	1.5 uF	25V, solid aluminium	Ph
	C.....2	59.26.5159	1.5 uF	25V, solid aluminium	Ph
	D.....1	50.04.1118	6.2 V Z	BZX83C 6V2, BZX55C 6V2, ZPD 6.2	ITT,Ses
	D.....2	50.04.1102	6.8 V Z	BZX83C 6V8, BZX55C 6V8, ZPD 6.8	ITT,Ses
	D.....3	50.04.1118	6.2 V Z	BZX83C 6V2, BZX55C 6V2, ZPD 6.2	ITT,Ses
	IC....1	50.09.0107	RC 4559 NB	uPC 4559	NEC,Ra
	P.....1	54.14.2001	10 cont.	See note 1	
	P...2/1	54.02.0320			
	P...2/2	54.02.0320			
	P...2/3	54.02.0320			
	R.....1	57.11.4102	1 kOhm		
	R.....2	57.11.4103	10 kOhm		
	R.....3	57.11.4472	4.7 kOhm		
	R.....4	57.11.4822	8.2 kOhm		
	R.....5	57.11.4102	1 kOhm		
	R.....6	57.11.4122	1.2 kOhm		
	R.....7	58.01.8202	2 kOhm	See note 2	
	R.....8	57.11.4183	18 kOhm		
	R.....9	58.01.8203	20 kOhm	See note 3	
	R....10	57.11.4470	47 Ohm		
	TP....1	54.02.0320			
	TP....2	54.02.0320			

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

Note 1 - Connector

Burndy	BPH 7 B 10 800 GS
Yamaichi	FAP-10-08//4

Note 2 - 2 kOhm Potentiometer, linear

Allan Bradley	E 2B 2D2
Bourns	386 F-1-202
Spectrol	63 M 2D2 T01D

Note 3 - 20 kOhm Potentiometer, linear

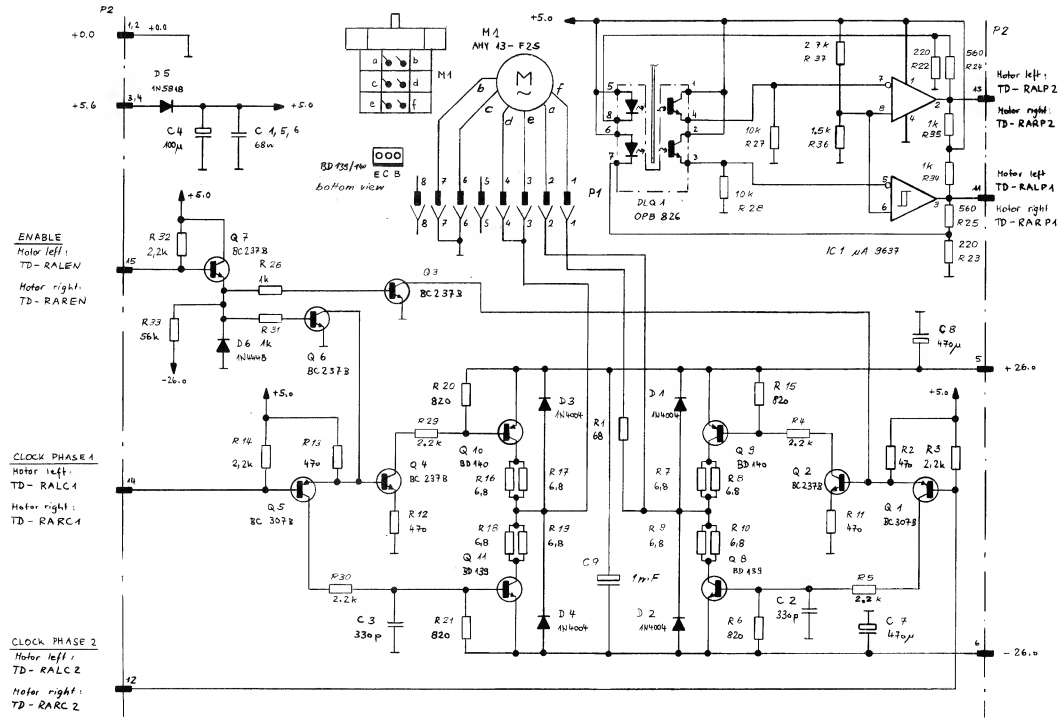
Allan Bradley	E 2B 203
Bourns	386 F-1-203
Spectrol	63 M 2D3 T01D

MANUFACTURER: ITT=ITT/Intermetall, NEC=Nippon Electric Corporation,
Ph=Philips, Ra=Raytheon, Ses=Sescosem.

ORIG 85/02/18

PUBLISHED: 08/86

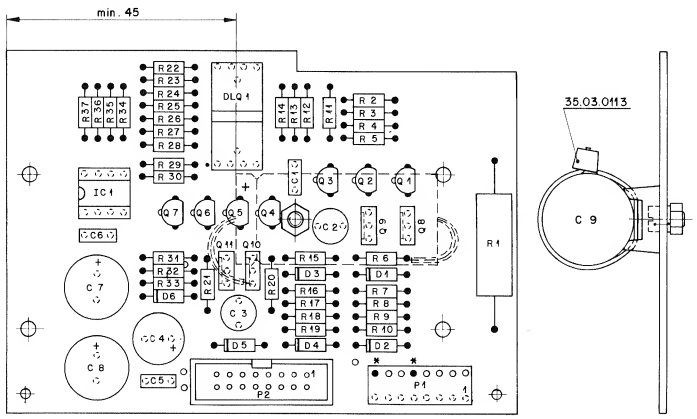
TAPE LIFTER CONTROL 1.820.773.82 PAGE 1



	A 820 Tape Transport Section			
STUDER	Tape Lifter Control	SC	1.820.773-82	PAGE 1 OF 1

PUBLISHED: 08/86

TAPE LIFTER CONTROL 1.820.773.82 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.06.0683	68 nF	10% 63V, PETP	
	C....2	59.05.2331	330 pF	2.5% 63V, PP	
	C....3	59.05.2331	330 pF	2.5% 63V, PP	
	C....4	59.22.4101	100 uF	10% 16V, EI	
	C....5	59.06.0683	68 nF	10% 63V, PETP	
	C....6	59.06.0683	68 nF	10% 63V, PETP	
	C....7	59.22.6471	470 uF	10% 40V, EI	
	C....8	59.22.6471	470 uF	10% 40V, EI	
(01)	C....9	59.25.6102	1000 uF	63V, EI	
	D....1	50.04.0122	1N 4001	... 1N 4004	Mot
	D....2	50.04.0122	1N 4001	... 1N 4004	Mot
	D....3	50.04.0122	1N 4001	... 1N 4004	Mot
	D....4	50.04.0122	1N 4001	... 1N 4004	Mot
	D....5	50.04.0512	1N 5818	1N 5819	Mot
	D....6	50.04.0125	1N 4448		Fe;ITT;Ph;Ses;TF
	DL0....1	50.99.0166	UPd 8265		Op
	IC....1	50.15.0114	uA 9637A		Ti;Fc
	P....1	54.01.0289		see note 1	
	P....2	54.14.2002		see note 2	
	Q....1	50.03.0515	BC 307 B	BC 251 B; BC 557 B	ITT;Mot;Ph
	Q....2	50.03.0436	BC 237 B	BC 547 B; BC 550 B	ITT;Mot;Ph;Sie
	Q....3	50.03.0436	BC 237 B	BC 547 B; BC 550 B	ITT;Mot;Ph;Sie
	Q....4	50.03.0436	BC 237 B	BC 547 B; BC 550 B	ITT;Mot;Ph;Sie
	Q....5	50.03.0515	BC 307 B	BC 251 B; BC 557 B	ITT;Mot;Ph
	Q....6	50.03.0436	BC 237 B	BC 547 B; BC 550 B	ITT;Mot;Ph;Sie
	Q....7	50.03.0436	BC 237 B	BC 547 B; BC 550 B	ITT;Mot;Ph;Sie
	Q....8	50.03.0451	BD 139-10		Mot;Ph;SGS;Tf;To
	Q....9	50.03.0452	BD 140-10		Mot;Ph;SGS;Tf;To
	Q....10	50.03.0452	BD 140-10		Mot;Ph;SGS;Tf;To
	Q....11	50.03.0451	BD 139-10		Mot;Ph;SGS;Tf;To
	R....1	57.56.3680	68 Ohm	10% 4 W	

ORIG 85/02/06 (01) 85/02/27

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....2	57.11.4471	470 Ohm	2%	
	R....3	57.11.4222	2.2 kOhm	2%	
	R....4	57.11.4222	2.2 kOhm	2%	
	R....5	57.11.4222	2.2 kOhm	2%	
	R....6	57.11.4821	820 Ohm	2%	
	R....7	57.11.4689	6.8 Ohm	5%	
	R....8	57.11.4689	6.8 Ohm	5%	
	R....9	57.11.4689	6.8 Ohm	5%	
	R....10	57.11.4689	6.8 Ohm	5%	
	R....11	57.11.4471	470 Ohm	2%	
	R....12	57.11.4471	470 Ohm	2%	
	R....13	57.11.4471	470 Ohm	2%	
	R....14	57.11.4222	2.2 kOhm	2%	
	R....15	57.11.4821	820 Ohm	2%	
	R....16	57.11.4689	6.8 Ohm	5%	
	R....17	57.11.4689	6.8 Ohm	5%	
	R....18	57.11.4689	6.8 Ohm	5%	
	R....19	57.11.4689	6.8 Ohm	5%	
	R....20	57.11.4821	820 Ohm	2%	
	R....21	57.11.4821	820 Ohm	2%	
	R....22	57.11.4221	220 Ohm	2%	
	R....23	57.11.4221	220 Ohm	2%	
	R....24	57.11.4561	560 Ohm	2%	
	R....25	57.11.4561	560 Ohm	2%	
	R....26	57.11.4102	1 kOhm	2%	
	R....27	57.11.4103	10 kOhm	2%	
	R....28	57.11.4103	10 kOhm	2%	
	R....29	57.11.4222	2.2 kOhm	2%	
	R....30	57.11.4222	2.2 kOhm	2%	
	R....31	57.11.4102	1 kOhm	2%	
	R....32	57.11.4222	2.2 kOhm	2%	
	R....33	57.11.4563	56 kOhm	2%	
	R....34	57.11.4102	1 kOhm	2%	
	R....35	57.11.4102	1 kOhm	2%	
	R....36	57.11.4152	1.5 kOhm	2%	
	R....37	57.11.4272	2.7 kOhm	2%	

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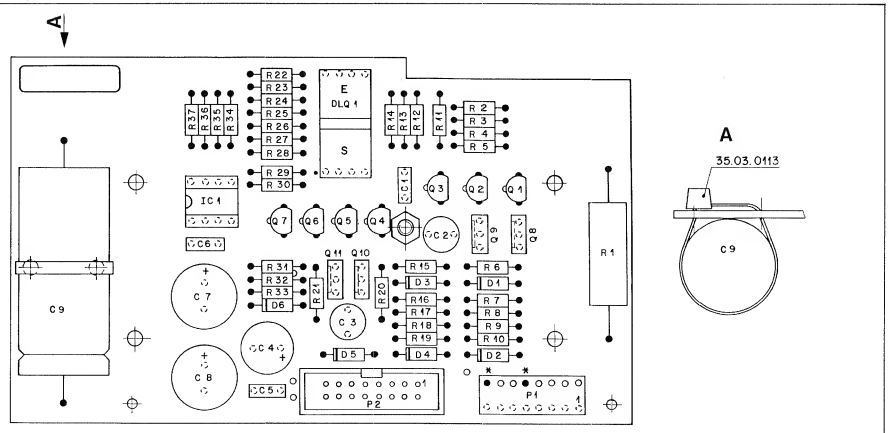

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.06.0683	68 nF	10% 63V, PETP	
	C....2	59.05.2331	330 pF	2.5% 63V, PP	
	C....3	59.05.2331	330 pF	2.5% 63V, PP	
	C....4	59.22.4101	100 uF	10% 16V, EI	
	C....5	59.06.0683	68 nF	10% 63V, PETP	
	C....6	59.06.0683	68 nF	10% 63V, PETP	
	C....7	59.22.6471	470 uF	10% 40V, EI	
	C....8	59.22.6471	470 uF	10% 40V, EI	
	C....9	59.25.6102	1000 uF	63V, EI	
	D....1	50.04.0122	1N 4001	... 1N 4004	Mot
	D....2	50.04.0122	1N 4001	... 1N 4004	Mot
	D....3	50.04.0122	1N 4001	... 1N 4004	Mot
	D....4	50.04.0122	1N 4001	... 1N 4004	Mot
	D....5	50.04.0512	1N 5818	1N 5819	Mot
	D....6	50.04.0125	1N 4448		Fe;ITT;Ph;Ses;TF
	DL0....1	50.99.0166	UPd 8265		Op
	IC....1	50.15.0114	uA 9637A		Ti;Fc
	P....1	54.01.0289		see note 1	
	P....2	54.14.2002		see note 2	
	Q....1	50.03.0515	BC 307 B	BC 251 B; BC 557 B	ITT;Mot;Ph
	Q....2	50.03.0436	BC 237 B	BC 547 B; BC 550 B	ITT;Mot;Ph;Sie
	Q....3	50.03.0436	BC 237 B	BC 547 B; BC 550 B	ITT;Mot;Ph;Sie
	Q....4	50.03.0436	BC 237 B	BC 547 B; BC 550 B	ITT;Mot;Ph;Sie
	Q....5	50.03.0515	BC 307 B	BC 251 B; BC 557 B	ITT;Mot;Ph
	Q....6	50.03.0436	BC 237 B	BC 547 B; BC 550 B	ITT;Mot;Ph;Sie
	Q....7	50.03.0436	BC 237 B	BC 547 B; BC 550 B	ITT;Mot;Ph;Sie
	Q....8	50.03.0451	BD 139-10		Mot;Ph;SGS;Tf;To
	Q....9	50.03.0452	BD 140-10		Mot;Ph;SGS;Tf;To
	Q....10	50.03.0452	BD 140-10		Mot;Ph;SGS;Tf;To
	Q....11	50.03.0451	BD 139-10		Mot;Ph;SGS;Tf;To
	R....1	57.56.3680	68 Ohm	10% 4 W	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....2	57.11.4471	470 Ohm	2%	
	R....3	57.11.4222	2.2 kOhm	2%	
	R....4	57.11.4222	2.2 kOhm	2%	
	R....5	57.11.4222	2.2 kOhm	2%	
	R....6	57.11.4821	820 Ohm	2%	
	R....7	57.11.4689	6.8 Ohm	5%	
	R....8	57.11.4689	6.8 Ohm	5%	
	R....9	57.11.4689	6.8 Ohm	5%	
	R....10	57.11.4689	6.8 Ohm	5%	
	R....11	57.11.4471	470 Ohm	2%	
	R....12	57.11.4471	470 Ohm	2%	
	R....13	57.11.4471	470 Ohm	2%	
	R....14	57.11.4222	2.2 kOhm	2%	
	R....15	57.11.4821	820 Ohm	2%	
	R....16	57.11.4689	6.8 Ohm	5%	
	R....17	57.11.4689	6.8 Ohm	5%	
	R....18	57.11.4689	6.8 Ohm	5%	
	R....19	57.11.4689	6.8 Ohm	5%	
	R....20	57.11.4821	820 Ohm	2%	
	R....21	57.11.4821	820 Ohm	2%	
	R....22	57.11.4221	220 Ohm	2%	
	R....23	57.11.4221	220 Ohm	2%	
	R....24	57.11.4561	560 Ohm	2%	
	R....25	57.11.4561	560 Ohm	2%	
	R....26	57.11.4102	1 kOhm	2%	
	R....27	57.11.4103	10 kOhm	2%	
	R....28	57.11.4103	10 kOhm	2%	
	R....29	57.11.4222	2.2 kOhm	2%	
	R....30	57.11.4222	2.2 kOhm	2%	
	R....31	57.11.4102	1 kOhm	2%	
	R....32	57.11.4222	2.2 kOhm	2%	
	R....33	57.11.4563	56 kOhm	2%	
	R....34	57.11.4102	1 kOhm	2%	
	R....35	57.11.4102	1 kOhm	2%	
	R....36	57.11.4152	1.5 kOhm	2%	
	R....37	57.11.4272	2.7 kOhm	2%	

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(01) 85.02.27 Improved supply voltage ripple

Note 1 - Connector: AMP Nr. --163.680-6

Note 2 - Connector: Yamaichi Nr. FAP-16-08/4
Burndy Nr. 8PH 9 8 16 800 GS

El=Electrolytic, PP=Polipropylene

Manufacturer: Fc=Fairchild, ITT=Intermetall, Mot=Motorola, Op=Optron,
Ph=Philips, Ses=Sescosem, SGS=SGS/Ates, Sie=Siemens,
Tf=Telefunken, Ti=Texas Instruments, To=Toshiba.

Note 1 - Connector: AMP Nr. --163.680-6

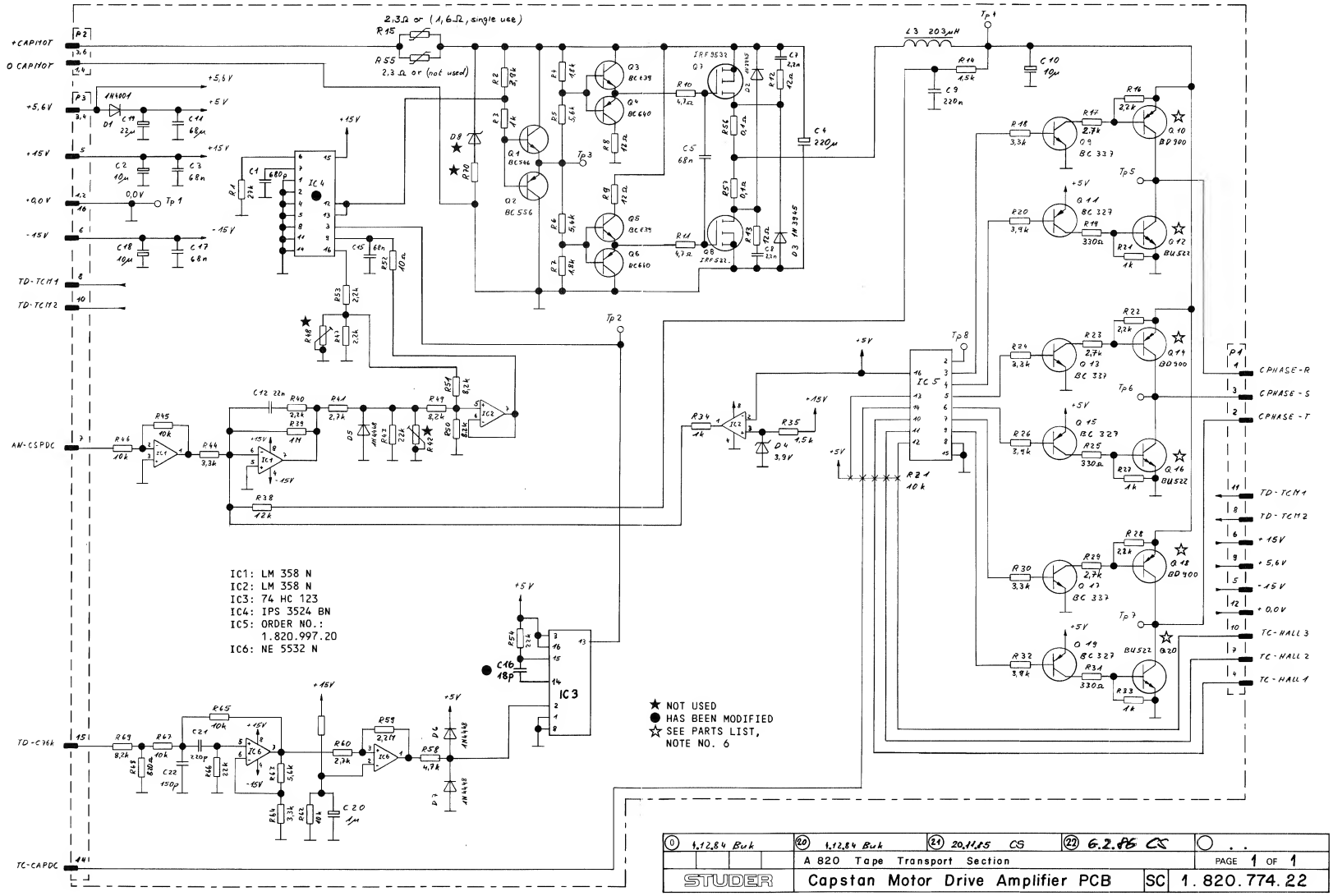
Note 2 - Connector: Yamaichi Nr. FAP-16-08/4
Burndy Nr. 8PH 9 8 16 800 GS

El=Electrolytic, PP=Polypropylene

Manufacturer: Fc=Fairchild, ITT=Intermetall, Mot=Motorola, Op=Optron,
Ph=Philips, Ses=Sescosem, SGS=SGS/Ates, Sie=Siemens,
Tf=Telefunken, Ti=Texas Instruments, To=Toshiba.

ORIG 85/07/08

CAPSTAN MOTOR DRIVE AMP. 1.820.774.00 PAGE 1



⓪ 4.12.84 Buk	⑳ 4.12.84 Buk	㉑ 20.11.85 CS	㉒ 6.2.86 CS	. .
	A 820 Tape Transport Section			PAGE 1 OF 1
STUDER	Capstan Motor Drive Amplifier PCB		SC	1.820.774.22

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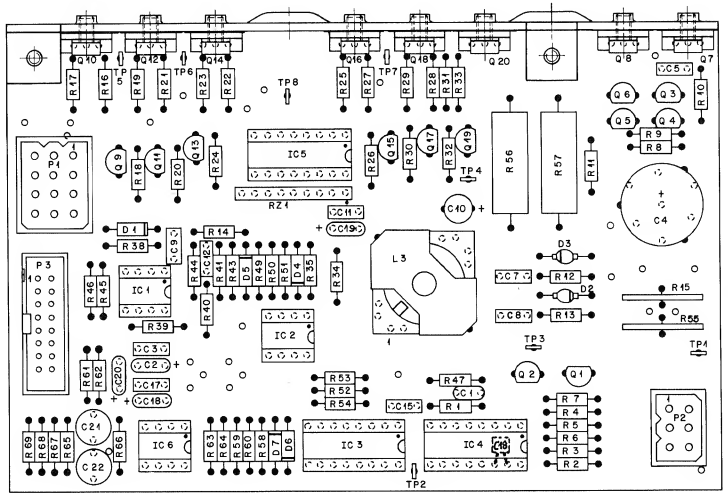
CAPSTAN MOTOR DRIVE AMP. 1.820.774.00 PAGE 2 (LAST)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	C.....1	59.32.2681	680 pF	10%, Ce	
(20)	C.....2	59.26.2100	10 uF	20%, 16V, El	
(20)	C.....3	59.06.0683	68 nF	10%, PETP	
(20)	C.....4	59.22.9221	220 uF	-20%, 100V, El	
(20)	C.....5	59.06.0683	68 nF	10%, PETP	
(20)	C.....7	59.06.0222	2200 pF	10%, 100V, PETP	
(20)	C.....8	59.06.0222	2200 pF	10%, 100V, PETP	
(20)	C.....9	59.06.5224	220 nF	10%, PETP	
(20)	C.....10	59.22.8100	10 uF	-20%, 63V, El	
(20)	C.....11	59.06.0683	68 nF	10%, PETP	
(20)	C.....12	59.06.0223	22 nF	10%, PETP	
(20)	C.....15	59.06.0683	68 nF	10%, PETP	
(20)	C.....16		not used		
(22)	C.....17	59.34.1180	18 pF	5%, Ce	
(20)	C.....17	59.06.0683	68 nF	10%, PETP	
(20)	C.....18	59.26.2100	10 uF	20%, 16V, El	
(20)	C.....19	59.26.1220	22 uF	20%, 10V, El	
(20)	C.....20	59.22.8109	1 uF	-20%, 16V, El	
(20)	C.....21	59.05.1221	220 pF	2.5%, PP	
(20)	C.....22	59.05.2151	150 PF	2.5%, PP	
(20)	D.....1	50.04.0122	IN 4001	to 4004	ITT,Mot
(20)	D.....2	50.04.0508	IN 4935	IN 4936, RG 1 0, A 114 B	Mot,GI
(20)	D.....3	50.04.0508	IN 4935	IN 4936, RG 1 0, A 114 B	Mot,GI
(20)	D.....4	50.04.1101	3.9 V	BZX 83C 3V9, BZX 55C 3V9, ZPD 3.9	ITT,Ses
(20)	D.....5	50.04.0125	IN 4448		Fc,ITT,Ph,Ses,Tf
(20)	D.....6	50.04.0125	IN 4448		Fc,ITT,Ph,Ses,Tf
(20)	D.....7	50.04.0125	IN 4448		Fc,ITT,Ph,Ses,Tf
(20)	D.....8		not used	(High voltage protection)	
(20)	IC.....1	50.05.0286	LM 358 N	LM 358 P	NS,Mot,TI
(20)	IC.....2	50.05.0286	LM 358 N	LM 358 P	NS,Mot,TI
(20)	IC.....3	50.17.1123	74 HC 123	..74 HC 123 -	Mot,NS,Ph,RCA,SGS,Fli,To
(21)	IC.....3	50.06.0123	74 LS 123	..74 LS 123 -	Mot,TI
(22)	IC.....3	50.17.1123	74 HC 123	..74 HC 123 -	Mot,NS,Ph,RCA,SGS,Fli,To
(20)	IC.....4	50.05.0279	SG 3524BN		SG
(22)	IC.....4	50.05.0279	LP3524BN		IPS

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(00)	IC.....5	50.05.0206	N 82S123N	63 S 081 J	MMI,Sig
(20)	IC.....5	1.820.997.20		Commutation logic device	St
(20)	IC.....6	50.09.0105	NE 5532 N	XR 5532 N, RC 532 N8	Ex,Ra,Sig
(20)	L.....3	1.022.251.00		Filtercoil	St
(20)	P.....1		12 cont.	see Note 1	
(20)	P.....2		6 cont.	see Note 2	
(20)	P.....3	54.14.2002	16 cont.	see Note 3	
(20)	Q.....1	50.03.0491	BC 546B		ITT,Mot,Ph,Sie
(20)	Q.....2	50.03.0492	BC 556B		ITT,Mot,Ph,Sie
(20)	Q.....3	50.03.0591	BC 639		Mot,Ph
(20)	Q.....4	50.03.0626	BC 640		Mot,Ph
(20)	Q.....5	50.03.0591	BC 639		Mot,Ph
(20)	Q.....6	50.03.0626	BC 640		Mot,Ph
(20)	Q.....7	50.03.1552	IRF 9532	MTP 8P10	IR,Mot
(20)	Q.....8	50.03.1502	IRF 522	MTP 8N10	IR,Mot
(20)	Q.....9	50.03.0340	BC 337-25		ITT,NS,Ph,Sie
(20)	Q.....10	50.03.0513	BD 900 A	80W 94 8, see note 6	Mot,SGS
(20)	Q.....11	50.03.0351	BC 327-25		ITT,Ph,Sie
(20)	Q.....12	50.03.0520	BU 522	see note 6	Mot
(20)	Q.....13	50.03.0340	BC 337-25		ITT,NS,Ph,Sie
(20)	Q.....14	50.03.0513	BD 900 A	80W 94 8, see note 6	Mot,SGS
(20)	Q.....15	50.03.0351	BC 327-25		ITT,Ph,Sie
(20)	Q.....16	50.03.0520	BU 522	see note 6	Mot
(20)	Q.....17	50.03.0340	BC 337-25		ITT,NS,Ph,Sie
(20)	Q.....18	50.03.0513	BD 900 A	80W 94 8, see note 6	Mot,SGS
(20)	Q.....19	50.03.0351	BC 327-25		ITT,Ph,Sie
(20)	Q.....20	50.03.0520	BU 522	see note 6	Mot
(20)	R.....1	57.11.4273	27 kOhm	5%	
(20)	R.....2	57.11.4392	3.9 kOhm	5%	
(20)	R.....3	57.11.4102	1 kOhm	5%	
(20)	R.....4	57.11.4182	1.8 kOhm	5%	
(20)	R.....5	57.11.4562	5.6 kOhm	5%	
(20)	R.....6	57.11.4562	5.6 kOhm	5%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	R.....7	57.11.4182	1.8 kOhm	5%	
(20)	R.....8	57.11.4120	12 Ohm	5%	
(20)	R.....9	57.11.4120	12 Ohm	5%	
(20)	R.....10	57.11.4479	4.7 Ohm	5%	
(20)	R.....11	57.11.4479	4.7 Ohm	5%	
(20)	R.....12	57.11.4120	12 Ohm	5%	
(20)	R.....13	57.11.4120	12 Ohm	5%	
(20)	R.....14	57.11.4152	1.5 kOhm	5%	
(20)	R.....15	57.92.1681	1.6 Ohm	PTC, see Note 4	
(20)	R.....16	57.11.4222	2.2 kOhm	5%	
(20)	R.....17	57.11.4272	2.7 kOhm	5%	
(20)	R.....18	57.11.4332	3.3 kOhm	5%	
(20)	R.....19	57.11.4331	330 Ohm	5%	
(20)	R.....20	57.11.4392	3.9 kOhm	5%	
(20)	R.....21	57.11.4102	1 kOhm	5%	
(20)	R.....22	57.11.4222	2.2 kOhm	5%	
(20)	R.....23	57.11.4272	2.7 kOhm	5%	
(20)	R.....24	57.11.4332	3.3 kOhm	5%	
(20)	R.....25	57.11.4331	330 Ohm	5%	
(20)	R.....26	57.11.4392	3.9 kOhm	5%	
(20)	R.....27	57.11.4102	1 kOhm	5%	
(20)	R.....28	57.11.4222	2.2 kOhm	5%	
(20)	R.....29	57.11.4272	2.7 kOhm	5%	
(20)	R.....30	57.11.4332	3.3 kOhm	5%	
(20)	R.....31	57.11.4331	330 Ohm	5%	
(20)	R.....32	57.11.4392	3.9 kOhm	5%	
(20)	R.....33	57.11.4102	1 kOhm	5%	
(20)	R.....34	57.11.4102	1 kOhm	5%	
(20)	R.....35	57.11.4152	1.5 kOhm	5%	
(20)	R.....36		not used		
(20)	R.....38	57.11.4123	12 kOhm	5%	
(20)	R.....39	57.11.4105	1 MOhm	5%	
(20)	R.....40	57.11.4227	2.2 kOhm	5%	
(20)	R.....41	57.11.4272	2.7 kOhm	5%	
(20)	R.....42		not used		
(20)	R.....43	57.11.4223	22 kOhm	5%	
(20)	R.....44	57.11.4332	3.3 kOhm	5%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	R.....45	57.11.4103	10 kOhm	5%	
(20)	R.....46	57.11.4103	10 kOhm	5%	
(20)	R.....47	57.11.4222	2.2 kOhm	5%	
(20)	R.....48		not used		
(20)	R.....49	57.11.4822	8.2 kOhm	5%	
(20)	R.....50	57.11.4822	8.2 kOhm	5%	
(20)	R.....51	57.11.4822	8.2 kOhm	5%	
(20)	R.....52	57.11.4100	10 Ohm	5%	
(20)	R.....53	57.11.4222	2.2 kOhm	5%	
(20)	R.....54	57.11.4223	22 kOhm	5%	
(20)	R.....55		not used		
(20)	R.....56	57.56.5108	0.1 Ohm	1.0%	
(20)	R.....57	57.56.5108	0.1 Ohm	1.0%	
(20)	R.....58	57.11.4472	4.7 kOhm	5%	
(20)	R.....59	57.11.5225	2.2 MOhm	5%	
(20)	R.....60	57.11.4272	2.7 kOhm	5%	
(20)	R.....61	57.11.4562	5.6 kOhm	5%	
(20)	R.....62	57.11.4103	10 kOhm	5%	
(20)	R.....63	57.11.4562	5.6 kOhm	5%	
(20)	R.....64	57.11.4332	3.3 kOhm	5%	
(20)	R.....65	57.11.4103	10 kOhm	5%	
(20)	R.....66	57.11.4223	22 kOhm	5%	
(20)	R.....67	57.11.4103	10 kOhm	5%	
(20)	R.....68	57.11.4821	820 Ohm	5%	
(20)	R.....69	57.11.4822	8.2 kOhm	5%	
(20)	R.....70		not used	(High voltage protection)	
(20)	RZ.....1	57.88.4103		see note 5	
(20)	TP.....1	29.21.6002		Test Point	
(20)	TP.....2	29.21.6002		Test Point	
(20)	TP.....3	29.21.6002		Test Point	
(20)	TP.....4	29.21.6002		Test Point	
(20)	TP.....5	29.21.6002		Test Point	
(20)	TP.....6	29.21.6002		Test Point	
(20)	TP.....7	29.21.6002		Test Point	
(20)	TP.....8	29.21.6002		Test Point	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

(21) 85.11.20 Improved clock synchronization performance.
(22) 86.02.06 Clock level modification for new device IC 4.

Note 1 - Connector,

Case:	Studer Nr.	54.02.0408	
	Molex Nr.	03-06-2121	
Contact pin:	Studer Nr.	54.02.0406	
	Molex Nr.	02-06-8103	

Note 2 - Connector,

Case:	Studer Nr.	54.02.0418	
	Molex Nr.	03-06-2061	
Contact pin:	Studer Nr.	54.02.0406	
	Molex Nr.	02-06-8103	

Note 3 - Connector: Yamaichi Nr. FAP-16-08-4055
Burndy Nr. DPH 9 8 16 800 GS

Note 4 - PTC Resistor 1.6 Ohms, Philips Nr. 2322 664 16811
may be replaced by two PTC Resistors 2.3 Ohms, Studer Nr. 57.99.0210
(Positions R 15 and R 55).

Note 5 - Resistor network, 5%, 8 P 10 kOhm

Bourns Nr.	4609 X - 101 - 103
Beckmann Nr.	L - 09 - 1 - R 10 k
Sprague Nr.	256 C/ 103 X2 P0
Matsushita Nr.	F 9 E 10 k 5%
Tama Nr.	MRG C 09 X 10 k J

Note 6 - For excellent wow and flutter values at 3.75 ips the NPN - respective the PNP - transistors should be from the same manufacturer.

Ca=Ceramic, El=Electrolytic, PETP=Polyester Film, PP=Polypropylen

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

MANUFACTURER: Ex=Exar, Fc=Fairchild, Gl=General Instruments,
ITT=Intermetall, IPS=Integrated Power Semiconductors Ltd.,
MMI=Monolitic Memoris Inc., Mot=Motorola,
NS=National Semiconductors, Ph=Philips, Ra=Raytheon,
RCA=RCA Corporation of America, Sie=Siemens, Sig=Signetics,
Ses=Sescosem, SG=Silicon General, SGS=SGS-Ates, St=Studer,
Tf=Telefunken, Ti=Texas Instruments, To=Toshiba.

ORIG 84/12/04 (20) 84/12/04 (21) 85/11/20 (22) 86/02/06

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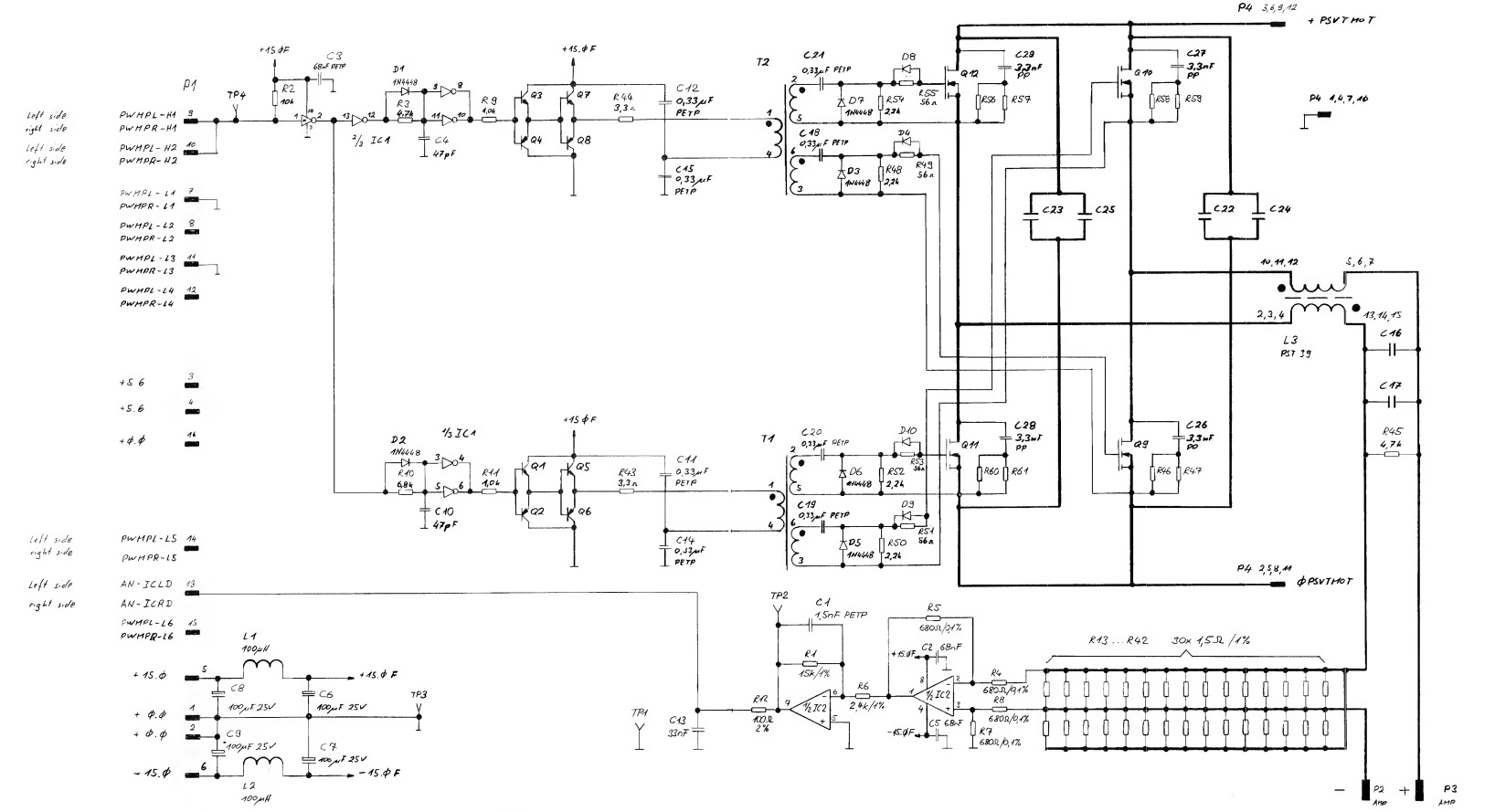

IC1 : 4001A CMOS Schm. H Trigger
IC2 : NE 5532 AN
Q2,Q4,Q6,Q8 : BC 327 C B E Bottom view
Q1,Q3,Q5,Q7 : BC 337 C B E Bottom view
Q9 ... Q12 : G D S Bottom view

R 46,47,56...61 : 4,7 Ω
C16,C17 ; C22..C25 : 6,8µF MPC
D4, D8, D9, D10 : 1N4448

25.10.84 mfi		A 820 Tape Transport Section			
STUDER	Spooling Motor Drive Amplifier	ESE	SC	1.820.775.81	PAGE 1 OF 1

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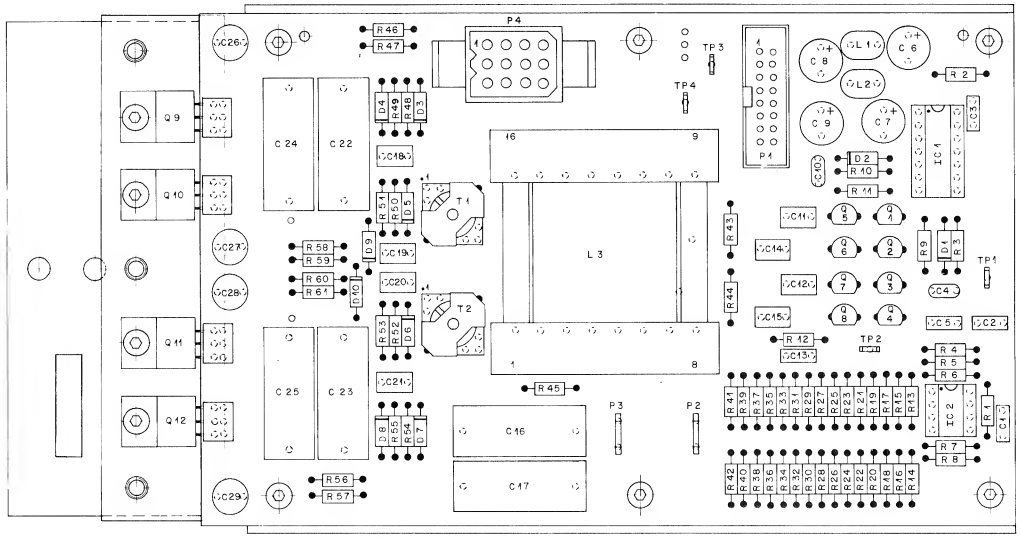

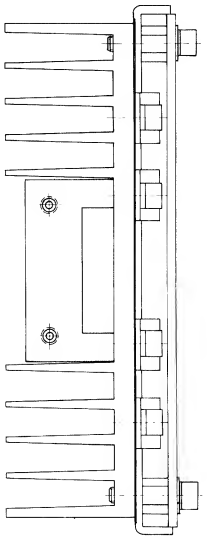

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....44	57.11.4339	3.3 Ohm	10%	
	R....45	57.11.4472	4.7 kOhm	10%	
	R....46	57.11.4479	4.7 Ohm	10%	
	R....47	57.11.4479	4.7 Ohm	10%	
	R....48	57.11.4222	2.2 kOhm	10%	
	R....49	57.11.4560	56 Ohm	10%	
	R....50	57.11.4222	2.2 kOhm	10%	
	R....51	57.11.4560	56 Ohm	10%	
	R....52	57.11.4222	2.2 kOhm	10%	
	R....53	57.11.4560	56 Ohm	10%	
	R....54	57.11.4222	2.2 kOhm	10%	
	R....55	57.11.4560	56 Ohm	10%	
	R....56	57.11.4479	4.7 Ohm	10%	
	R....57	57.11.4479	4.7 Ohm	10%	
	R....58	57.11.4479	4.7 Ohm	10%	
	R....59	57.11.4479	4.7 Ohm	10%	
	R....60	57.11.4479	4.7 Ohm	10%	
	R....61	57.11.4479	4.7 Ohm	10%	
	T....1	1.022.247.00		Drive transformer	St
	T....2	1.022.247.00		Drive transformer	St
	TP....1	54.02.0320		Testpoint	
	TP....2	54.02.0320		Testpoint	
	TP....3	54.02.0320		Testpoint	
	TP....4	54.02.0320		Testpoint	
	XQ....1	50.20.1017	TO 220	RM 2.54	
	XQ....2	50.20.1017	TO 220	RM 2.54	
	XQ....3	50.20.1017	TO 220	RM 2.54	
	XQ....4	50.20.1017	TO 220	RM 2.54	

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.06.0152	1.5 nF	10%	
	C....2	59.06.0683	68 nF	20%	
	C....3	59.06.0683	68 nF	20%	
	C....4	59.34.2470	47 pF	5%	
	C....5	59.06.0683	68 nF	20%	
	C....6	59.22.5101	100 uF	25V	
	C....7	59.22.5101	100 uF	25V	
	C....8	59.22.5101	100 uF	25V	
	C....9	59.22.5101	100 uF	25V	
	C....10	59.34.2470	47 pF	5%	
	C....11	59.06.0334	330 nF	10V/us	
	C....12	59.06.0334	330 nF	10V/us	
	C....13	59.06.0333	33 nF	10%	
	C....14	59.06.0334	330 nF	10V/us	
	C....15	59.06.0334	330 nF	10V/us	
	C....16	59.99.0268	6.8 uF	63V	
	C....17	59.22.0268	6.8 uF	63V	
	C....18	59.06.0334	330 nF	10V/us	
	C....19	59.06.0334	330 nF	10V/us	
	C....20	59.06.0334	330 nF	10V/us	
	C....21	59.06.0334	330 nF	10V/us	
	C....22	59.99.0268	6.8 uF	63V+1V/us	
	C....23	59.99.0268	6.8 uF	63V+1V/us	
	C....24	59.99.0268	6.8 uF	63V+1V/us	
	C....25	59.99.0268	6.8 uF	63V+1V/us	
	C....26	59.05.2332	3.3 nF	63V+1000V/us	
	C....27	59.05.2332	3.3 nF	63V+1000V/us	
	C....28	59.05.2332	3.3 nF	63V+1000V/us	
	C....29	59.05.2332	3.3 nF	63V+1000V/us	
	D....1	50.04.0125	1N 4448		Fc+ITT+Phs+Ses+Tf
	D....2	50.04.0125	1N 4448		Fc+ITT+Phs+Ses+Tf
	D....3	50.04.0125	1N 4448		Fc+ITT+Phs+Ses+Tf
	D....4	50.04.0125	1N 4448		Fc+ITT+Phs+Ses+Tf
	D....5	50.04.0125	1N 4448		Fc+ITT+Phs+Ses+Tf
	D....6	50.04.0125	1N 4448		Fc+ITT+Phs+Ses+Tf
	D....7	50.04.0125	1N 4448		Fc+ITT+Phs+Ses+Tf

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	D....8	50.04.0125	1N 4448		Fc+ITT+Phs+Ses+Tf
	D....9	50.04.0125	1N 4448		Fc+ITT+Phs+Ses+Tf
	D....10	50.04.0125	1N 4448		Fc+ITT+Phs+Ses+Tf
	IC....1	50.07.0014	4D 016 8PC	MC14 584 8CP	Fc+Sig+Mot+NS
(00)	IC....2	50.09.0105	NE 5532 N	XR 5532 N	Ex+Sig
(01)	IC....2	50.09.0106	NE 5532 AN	XR 5532 AN	Ex+Sig
	L....1	62.42.3101	100 uH		
	L....2	62.42.3101	100 uH		
	L....3	1.022.246.00		Choke coil	St
	P....1	54.14.2002		see note 1	
	P....2	54.02.0335			
	P....3	54.02.0335			
	P....4	54.02.0408		see note 2	
	Q....1	50.03.0340	BC 337-25		ITT+NS+Phs+Sie
	Q....2	50.03.0351	BC 327-25		ITT+Phs+Sie
	Q....3	50.03.0340	BC 337-25		ITT+NS+Phs+Sie
	Q....4	50.03.0351	BC 327-25		ITT+Phs+Sie
	Q....5	50.03.0340	BC 337-25		ITT+NS+Phs+Sie
	Q....6	50.03.0351	BC 327-25		ITT+Phs+Sie
	Q....7	50.03.0340	BC 337-25		ITT+NS+Phs+Sie
	Q....8	50.03.0351	BC 327-25		ITT+Phs+Sie
	Q....9	50.03.1503	IRF 542		IR+Phs+Sie
	Q....10	50.03.1503	IRF 542		IR+Phs+Sie
	Q....11	50.03.1503	IRF 542		IR+Phs+Sie
	Q....12	50.03.1503	IRF 542		IR+Phs+Sie
	R....1	57.11.3153	15 kOhm	1%	
	R....2	57.11.4103	10 kOhm	10%	
	R....3	57.11.4472	4.7 kOhm	2%	
	R....4	57.99.0199	680 Ohm	0.1%	
	R....5	57.99.0199	680 Ohm	0.1%	
(07)	R....6	57.11.3122	1.2 kOhm	1%	
(01)	R....6	57.11.3242	2.4 kOhm	1%	

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....7	57.99.0199	680 Ohm	0.1%	
	R....8	57.99.0199	680 Ohm	0.1%	
	R....9	57.11.4102	1.0 kOhm	10%	
	R....10	57.11.4682	6.8 kOhm	2%	
	R....11	57.11.4102	1.0 kOhm	10%	
	R....12	57.11.4101	100 Ohm	2%	
	R....13	57.11.3159	1.5 Ohm	1%	
	R....14	57.11.3159	1.5 Ohm	1%	
	R....15	57.11.3159	1.5 Ohm	1%	
	R....16	57.11.3159	1.5 Ohm	1%	
	R....17	57.11.3159	1.5 Ohm	1%	
	R....18	57.11.3159	1.5 Ohm	1%	
	R....19	57.11.3159	1.5 Ohm	1%	
	R....20	57.11.3159	1.5 Ohm	1%	
	R....21	57.11.3159	1.5 Ohm	1%	
	R....22	57.11.3159	1.5 Ohm	1%	
	R....23	57.11.3159	1.5 Ohm	1%	
	R....24	57.11.3159	1.5 Ohm	1%	
	R....25	57.11.3159	1.5 Ohm	1%	
	R....26	57.11.3159	1.5 Ohm	1%	
	R....27	57.11.3159	1.5 Ohm	1%	
	R....28	57.11.3159	1.5 Ohm	1%	
	R....29	57.11.3159	1.5 Ohm	1%	
	R....30	57.11.3159	1.5 Ohm	1%	
	R....31	57.11.3159	1.5 Ohm	1%	
	R....32	57.11.3159	1.5 Ohm	1%	
	R....33	57.11.3159	1.5 Ohm	1%	
	R....34	57.11.3159	1.5 Ohm	1%	
	R....35	57.11.3159	1.5 Ohm	1%	
	R....36	57.11.3159	1.5 Ohm	1%	
	R....37	57.11.3159	1.5 Ohm	1%	
	R....38	57.11.3159	1.5 Ohm	1%	
	R....39	57.11.3159	1.5 Ohm	1%	
	R....40	57.11.3159	1.5 Ohm	1%	
	R....41	57.11.3159	1.5 Ohm	1%	
	R....42	57.11.3159	1.5 Ohm	1%	
	R....43	57.11.4339	3.3 Ohm	10%	

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.

(1) 85.03.26 Correction of gain of current differential amplifier.

Note 1 - Plug : 16 Pol
Yamaichi FAP-16-08//4
Burndy 8PH 9 B 16 800 GS

Note 2 - Molex plug : Studer 54.02.0408
with 12 pins Studer 54.02.0406

Manufacturer: Ex=Exar, Fc=Fairchild, ITT=Intermetall, Mot=Motorola,
NS=National Semiconductor, Ph=Philips (incl.Valvo),
Sig=Signetics, Sie=Siemens, St=Studer, Tf=TeleFunken.

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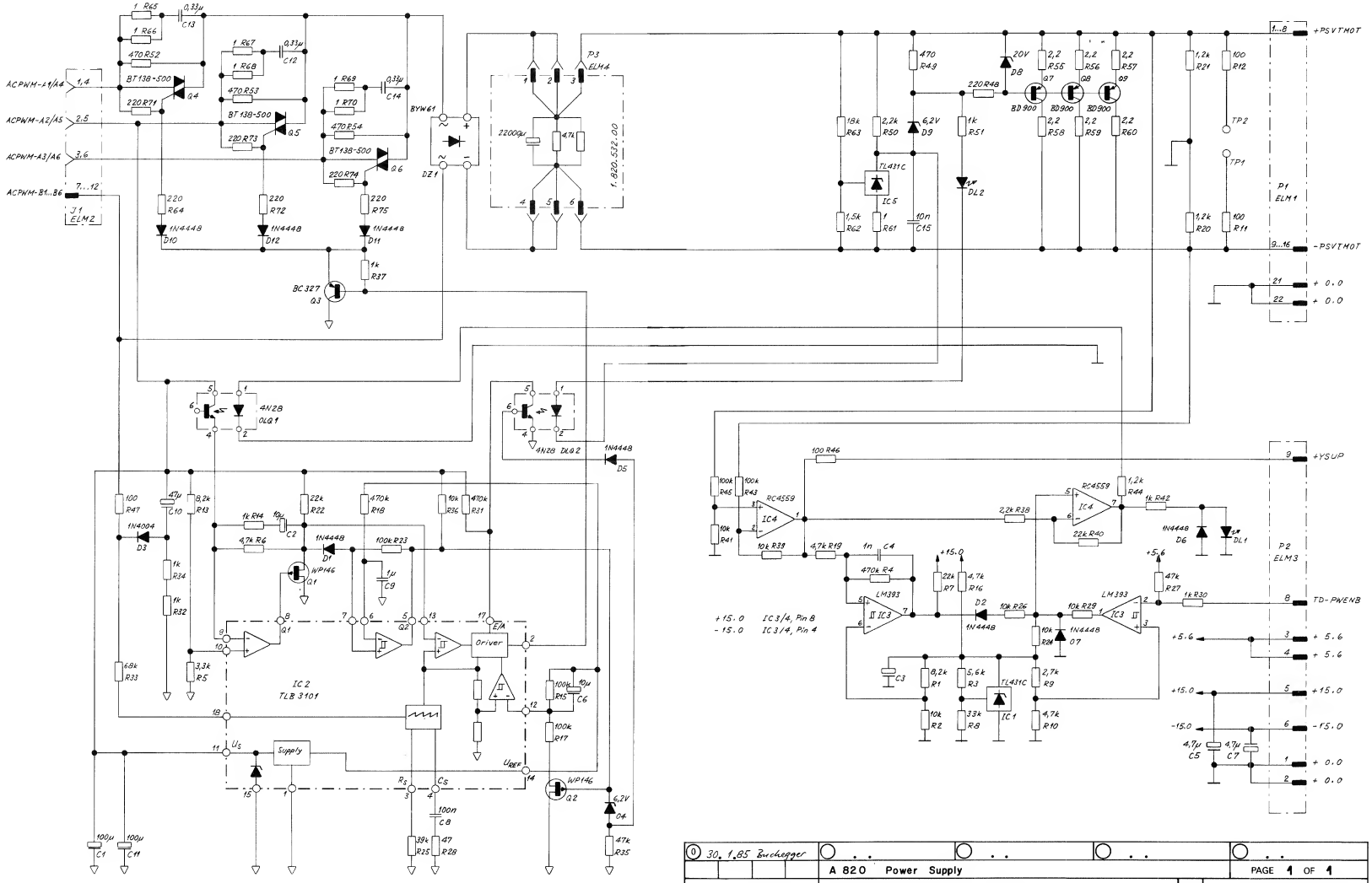

0 30.1.85 Buchegger				
	A 820 Power Supply			PAGE 1 OF 1
STUDER	Spooling Motor Supply	SC	1.820.777.00	

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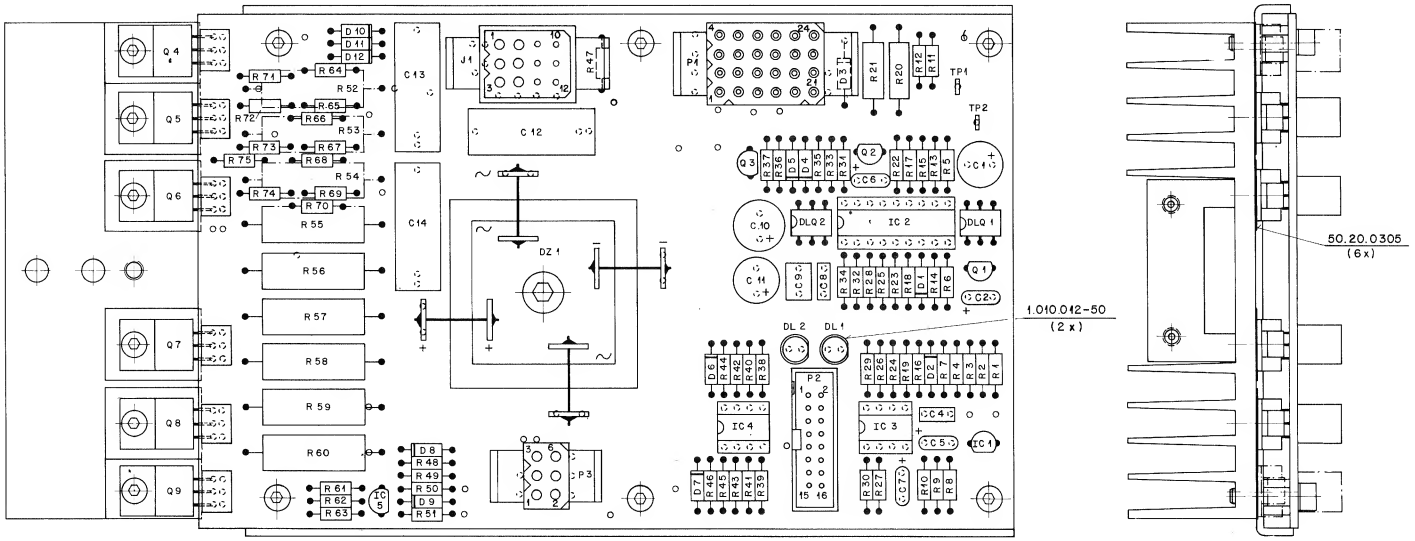
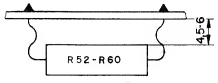
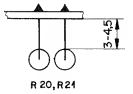
SPOOLING MOTOR SUPPLY 1.820.777.00 PAGE 2 (LAST)







IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....53	57.56.4471	470 Ohm	5%, 4 W	
	R....54	57.56.4471	470 Ohm	5%, 4 W	
	R....55	57.56.5229	2.2 Ohm	10%, 4 W	
	R....56	57.56.5229	2.2 Ohm	10%, 4 W	
	R....57	57.56.5229	2.2 Ohm	10%, 4 W	
	R....58	57.56.5229	2.2 Ohm	10%, 4 W	
	R....59	57.56.5229	2.2 Ohm	10%, 4 W	
	R....60	57.56.5229	2.2 Ohm	10%, 4 W	
	R....61	57.11.4109	1 Ohm	5%	
	R....62	57.11.3152	1.5 kOhm	1%	
	R....63	57.11.3183	18 kOhm	1%	
	R....64	57.11.4221	220 Ohm	5%	
	R....65	57.11.4109	1 Ohm	5%	
	R....66	57.11.4109	1 Ohm	5%	
	R....67	57.11.4109	1 Ohm	5%	
	R....68	57.11.4109	1 Ohm	5%	
	R....69	57.11.4109	1 Ohm	5%	
	R....70	57.11.4109	1 Ohm	5%	
	R....71	57.11.4221	220 Ohm	5%	
	R....72	57.11.4221	220 Ohm	5%	
	R....73	57.11.4221	220 Ohm	5%	
	R....74	57.11.4221	220 Ohm	5%	
	R....75	57.11.4221	220 Ohm	5%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.22.5101	100 uF	-20%, 25V, El	
	C....2	59.26.2100	10 uF	20%, 16V, Sal	Ph
	C....3		not used		
	C....4	59.06.5102	1 nF	10%, 63V, PETP	
	C....5	59.26.5479	4.7 uF	20%, 25V, Sal	Ph
	C....6	59.26.2100	10 uF	20%, 16V, Sal	Ph
	C....7	59.26.5479	4.7 uF	20%, 25V, Sal	Ph
	C....8	59.06.5104	100 nF	5%, 63V, PETP	
	C....9	59.06.5105	1 uF	5%, 50V, PETP	
	C....10	59.22.4470	47 uF	20%, 63V, El	
	C....11	59.22.5101	100 uF	-20%, 25V, El	
	C....12	59.05.6334	330 nF	10%, 400V, PP	
	C....13	59.05.6334	330 nF	10%, 400V, PP	
	C....14	59.05.6334	330 nF	10%, 400V, PP	
	C....15		not used		
	D....1	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+Tf
	D....2	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+Tf
	D....3	50.04.0105	1N 4004	...1N 4007	ITT+Mot
	D....4	50.04.1118	6.2 V Z	BZX83C6V2+ BZX55C6V2+ ZPD6.2	ITT+Ses
	D....5	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+Tf
	D....6	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+Tf
	D....7	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+Tf
	D....8	50.04.1109	20 V Z	BZX83C20V+ BZX55C20V+ ZPD20	ITT+Ses
	D....9	50.04.1118	6.2 V Z	BZX83C6V2+ BZX55C6V2+ ZPD6.2	ITT+Ses
	D....10	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+Tf
	D....11	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+Tf
	D....12	50.04.0125	1N 4448		Fc+ITT+Ph+Ses+Tf
	DL....1	50.04.2112	MV 5353	CM 4-584 B+ HLMP-3401	GI+CM+HP
	DL....2	50.04.2111	MV 5753	CM 4-284 B+ HLMP-3301	GI+CM+HP
	DLQ....1	50.99.0126	4N 28	4N 26	Mot
	DLQ....2	50.99.0126	4N 28	4N 26	Mot
	DZ....1	70.01.9231	BYW 61	36 MB 10 A	IR+Mot

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....1	50.10.0106	TL431CLP		Mot+TI
	IC....2	50.11.0130	TL8 3101	TLE 3101	Sie
	IC....3	50.05.0283	LM 393 N	...P, ...OP	NS+Tho+TI
	IC....4	50.09.0107	RC4559NB	uPC4559	Ra+NEC
	IC....5	50.10.0106	TL431CLP		Mot+TI
	J....1			see note 1	
	P....1			see note 2	
	P....2			see note 3	
	P....3			see note 4	
	Q....1	50.03.0329	WP 146		Six
	Q....2	50.03.0329	WP 146		Six
	Q....3	50.03.0351	BC 327-25		ITT+Ph+Sie
	Q....4	50.99.0106	BT138-500	T2800	Ph+RCA
	Q....5	50.99.0106	BT138-500	T2800	Ph+RCA
	Q....6	50.99.0106	BT138-500	T2800	Ph+RCA
	Q....7	50.03.0513	BD 900 A	BDW 94 B	Mot+SGS
	Q....8	50.03.0513	BD 900 A	BDW 94 B	Mot+SGS
	Q....9	50.03.0513	BD 900 A	BDW 94 B	Mot+SGS
	R....1	57.11.3822	8.2 kOhm	1%	
	R....2	57.11.3103	10 kOhm	1%	
	R....3	57.11.3562	5.6 kOhm	1%	
	R....4	57.11.4474	470 kOhm	5%	
	R....5	57.11.3332	3.3 kOhm	1%	
	R....6	57.11.4472	4.7 kOhm	5%	
	R....7	57.11.4223	22 kOhm	5%	
	R....8	57.11.3333	33 kOhm	1%	
	R....9	57.11.4272	2.7 kOhm	5%	
	R....10	57.11.4472	4.7 kOhm	5%	
	R....11	57.19.0101	100 Ohm	5%, Philips Nr. 2322 205 13101	
	R....12	57.19.0101	100 Ohm	5%, Philips Nr. 2322 205 13101	
	R....13	57.11.3822	8.2 kOhm	1%	
	R....14	57.11.4102	1 kOhm	5%	
	R....15	57.11.3104	100 kOhm	1%	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....16	57.11.4472	4.7 kOhm	5%	
	R....17	57.11.3104	100 kOhm	1%	
	R....18	57.11.4474	470 kOhm	5%	
	R....19	57.11.4472	4.7 kOhm	5%	
	R....20	57.13.4122	1.2 kOhm	2%, 0.5 W	
	R....21	57.13.4122	1.2 kOhm	2%, 0.5 W	
	R....22	57.11.4223	22 kOhm	5%	
	R....23	57.11.4104	100 kOhm	5%	
	R....24	57.11.4103	10 kOhm	5%	
	R....25	57.11.4393	39 kOhm	2%	
	R....26	57.11.4103	10 kOhm	5%	
	R....27	57.11.4473	47 kOhm	5%	
	R....28	57.11.4470	47 Ohm	5%	
	R....29	57.11.4103	10 kOhm	5%	
	R....30	57.11.4102	1 kOhm	5%	
	R....31	57.11.4474	470 kOhm	5%	
	R....32	57.11.4102	1 kOhm	5%	
	R....33	57.11.4683	68 kOhm	5%	
	R....34	57.11.4102	1 kOhm	5%	
	R....35	57.11.4473	47 kOhm	5%	
	R....36	57.11.4103	10 kOhm	5%	
	R....37	57.11.4102	1 kOhm	5%	
	R....38	57.11.4222	2.2 kOhm	5%	
	R....39	57.11.3103	10 kOhm	1%	
	R....40	57.11.4223	22 kOhm	5%	
	R....41	57.11.3103	10 kOhm	1%	
	R....42	57.11.4102	1 kOhm	5%	
	R....43	57.11.3104	100 kOhm	1%	
	R....44	57.11.4122	1.2 kOhm	5%	
	R....45	57.11.3104	100 kOhm	1%	
	R....46	57.11.4101	100 Ohm	5%	
	R....47	57.19.0101	100 Ohm	5%, Philips Nr. 2322 205 13101	
	R....48	57.11.4221	220 Ohm	5%	
	R....49	57.11.4471	470 Ohm	5%	
	R....50	57.11.4222	2.2 kOhm	5%	
	R....51	57.11.4102	1 kOhm	5%	
	R....52	57.56.4471	470 Ohm	5%, 4 W	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	Note 1 - Case for 12 contacts:			Studer Nr.	54.02.0408
				Molex Nr.	03-06-2121
	Contact pin (6 pieces):			Studer Nr.	54.02.0406
				Molex Nr.	02-06-8103
	Socket (6 pieces):			Studer Nr.	54.02.0407
				Molex Nr.	02-06-7103
	Note 2 - Case for 24 contacts:			Studer Nr.	54.02.0416
				Molex Nr.	03-06-1241
	Contact pin (24 pieces):			Studer Nr.	54.02.0406
				Molex Nr.	02-06-8103
	Note 3 - Connector 16 contacts:			Studer Nr.	54.14.2002
				Yamaichi Nr.	FAP-16-08/4
				Burndy Nr.	BPH 9 B 16 80 GS
	Note 4 - Case for 6 contacts:			Studer Nr.	54.02.0417
				Molex Nr.	03-06-1061
	Sockets (6 pieces):			Studer Nr.	54.02.0407
				Molex Nr.	02-06-7103

El=Electrolytic, Sal=Solid aluminium,
PCTP=Polyesterfilm, PP=Polypropylen.

MANUFACTURER: CM=Chicago Miniatur, Fc=Fairchild,
GI=General Instruments, HP=Hewlett Packard,
IR=International Rectifier, ITT=Intermetall,
Mot=Motorola, NEC=Nippon Electric Corporation,
NS=National Semiconductors, Ph=Philips, Ra=Raytheon,
RCA=Radio Corporation of America, Ses=Sescosem,
SGS=SGS/Ates, Sie=Siemens, Six=Siliconix, Tf=Telefunken,
Tho=Thomson, TI=Texas Instruments.

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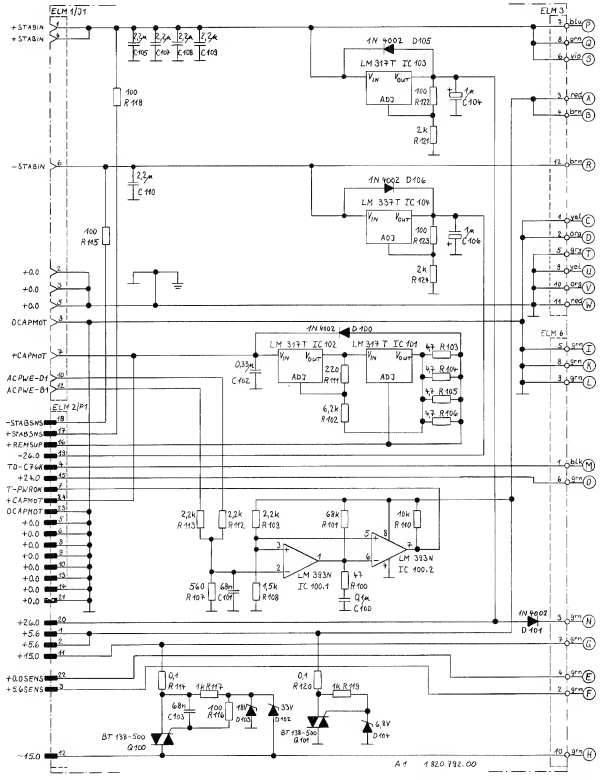
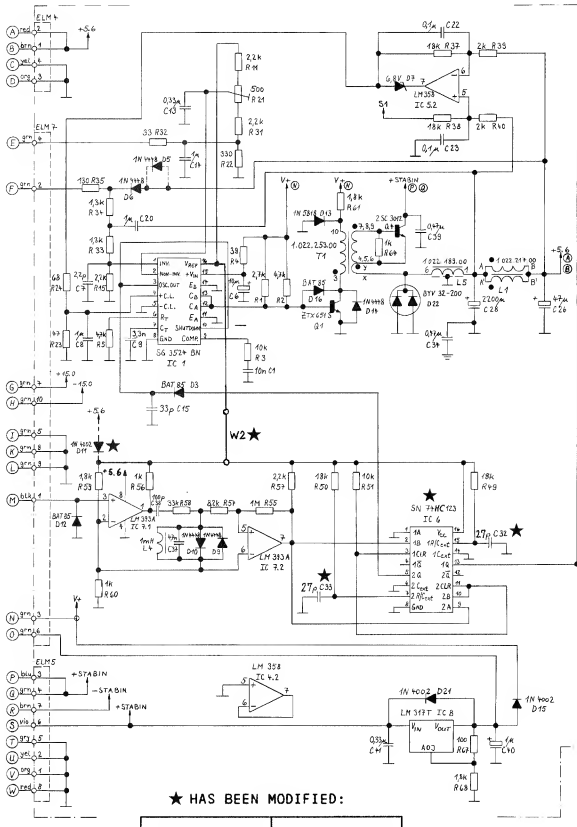
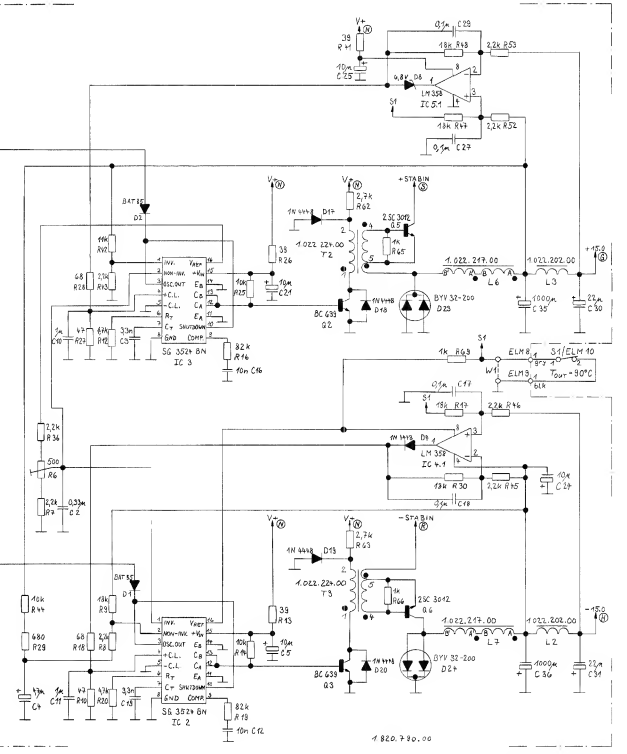
SWITCHING STABILIZER 1.820.790.00 PAGE 1







0 17.10.85 LN					
	A 820 Power Supply			PAGE 1 OF 2	
STUDER	Switching Stabilizer		SC	1.820.790.81	

1.820.792.00

0 17.10.85 LN					
	A 820 Power Supply			PAGE 2 OF 2	
STUDER	Switching Stabilizer		SC	1.820.790.81	

1.820.792.00

★ HAS BEEN MODIFIED:

	1.820.790.00	1.820.790.81
IC6	SN 74LS123 (50.06.0123)	SN 74HC123 (50.17.1123)
C32	68 pF 10% CER (59.32.1680)	27 pF 10% CER (59.34.2270)
C33	68 pF 10% CER (59.32.1680)	27 pF 10% CER (59.34.2270)
D11	1 N 4002 (50.04.0105)	NOT USED
W2	NOT USED	1.010.117.64

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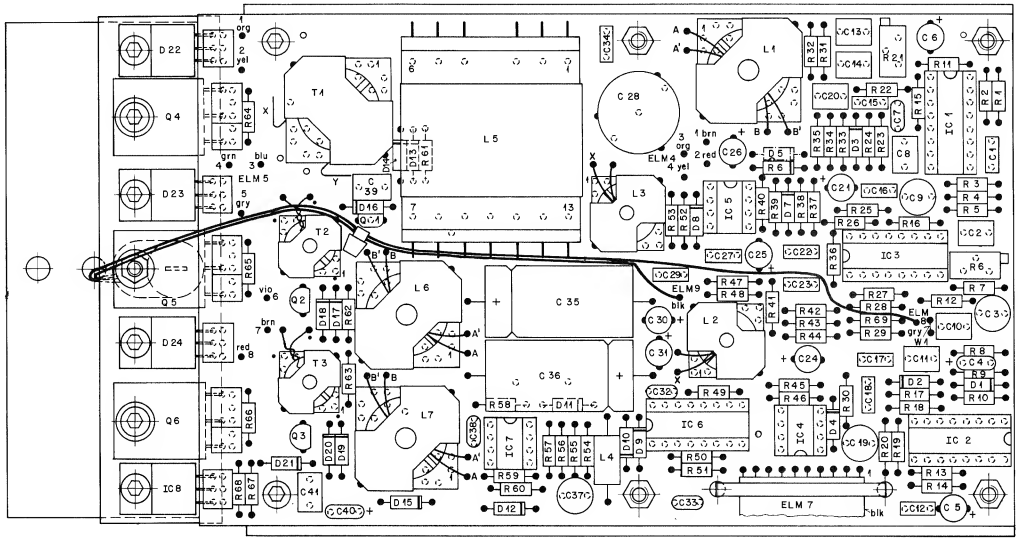
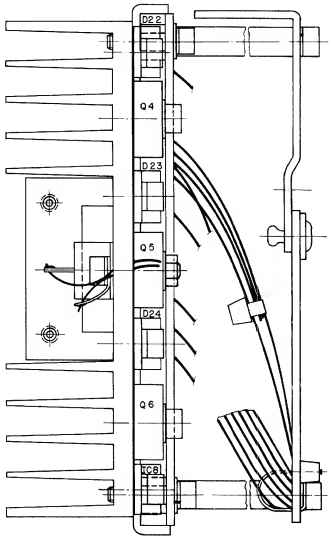
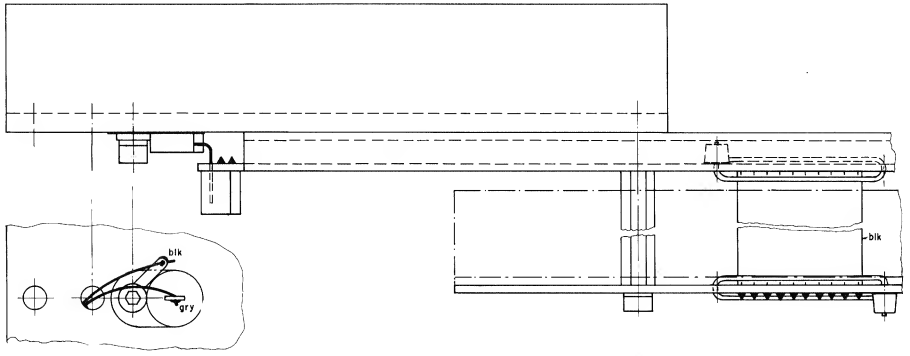
SWITCHING STABILIZER 1.820.790.00 PAGE 2







IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
A.....1	1.820.792.00			Stabilizer/Limiter Board	St
C.....1		59.06.0103	10 nF	10%, 63V, PETP	
C.....2		59.06.0334	0.33 uF	10%, 63V, PETP	
C.....3		59.05.2332	3.3 nF	2.5%, 160V, PP	
C.....4		59.26.5479	4.7 uF	20%, 25V, Sal	Ph
C.....5		59.22.6100	10 uF	-20%, 35V, El	
C.....6		59.22.6100	10 uF	-20%, 35V, El	
C.....7		59.34.0229	2.2 pF		Ce
C.....8		59.06.5105	1 uF	5%, 63V, PETP	
C.....9		59.05.2332	3.3 nF	2.5%, 160V, PP	
C.....10		59.06.5105	1 uF	5%, 63V, PETP	
C.....11		59.06.5105	1 uF	5%, 63V, PETP	
C.....12		59.06.0103	10 nF	10%, 63V, PETP	
C.....13		59.06.0334	0.33 uF	10%, 63V, PETP	
C.....14		59.06.5105	1 uF	5%, 63V, PETP	
C.....15		59.32.1330	33 pF	10%,	Ce
C.....16		59.06.0103	10 nF	10%, 63V, PETP	
C.....17		59.06.5104	0.1 uF	5%, 63V, PETP	
C.....18		59.06.5104	0.1 uF	5%, 63V, PETP	
C.....19		59.05.2332	3.3 nF	2.5%, 160V, PP	
C.....20		59.06.5105	1 uF	5%, 63V, PETP	
C.....21		59.22.6100	10 uF	-20%, 35V, El	
C.....22		59.06.5104	0.1 uF	5%, 63V, PETP	
C.....23		59.06.5104	0.1 uF	5%, 63V, PETP	
C.....24		59.22.6100	10 uF	-20%, 35V, El	
C.....25		59.22.6100	10 uF	-20%, 35V, El	
C.....26		59.22.3470	47 uF	-20%, 16V, El	
C.....27		59.06.5104	0.1 uF	5%, 63V, PETP	
C.....28		59.22.4222	2200 uF	-20%, 16V, El	
C.....29		59.06.5104	0.1 uF	5%, 63V, PETP	
C.....30		59.22.5220	22 uF	-20%, 25V, El	
C.....31		59.22.5220	22 uF	-20%, 25V, El	
C.....32		59.32.1680	68 pF	10%,	Ce
C.....33		59.32.1680	68 pF	10%,	Ce
C.....34		59.06.0474	0.47 uF	10%, 63V, PETP	
C.....35		59.25.4102	1000 uF	-20%, 25V, El	
C.....36		59.25.4102	1000 uF	-20%, 25V, El	
C.....37		59.05.2472	4.7 nF	2.5%, 160V, PP	
C.....38		59.32.1101	100 pF	10%,	Ce
C.....39		59.06.0474	0.47 uF	10%, 63V, PETP	
C.....40		59.26.4109	1 uF	-20%, 40V, Sal	Ph
C.....41		59.06.0334	0.33 uF	10%, 63V, PETP	
D.....1		50.04.0127	BAT 85	BAS 40-02	Ph,Sie
D.....2		50.04.0127	BAT 85	BAS 40-02	Ph,Sie
D.....3		50.04.0127	BAT 85	BAS 40-02	Ph,Sie
D.....4		50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D.....5			not used		
D.....6		50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D.....7		50.04.1102	6.8 V Z	BZX83C6V8, BZX55C6V8, ZPD6.8	ITT,Ses
D.....8		50.04.1102	6.8 V Z	BZX83C6V8, BZX55C6V8, ZPD6.8	ITT,Ses
D.....9		50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D.....10		50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D.....11		50.04.0105	1N4002	(... 4007)	Mot
D.....12		50.04.0127	BAT 85	BAS 40-02	Ph,Sie
D.....13		50.04.0512	1N 5818	1N 5819	Mot
D.....14		50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D.....15		50.04.0105	1N4002	(... 4007)	Mot
D.....16		50.04.0127	BAT 85	BAS 40-02	Ph,Sie
D.....17		50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D.....18		50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D.....19		50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D.....20		50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D.....21		50.04.0105	1N4002	(... 4007)	Mot
D.....22		50.04.0517	BYV 32-200		Ph
D.....23		50.04.0517	BYV 32-200		Ph
D.....24		50.04.0517	BYV 32-200		Ph

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC.....1		50.05.0279	SG 3524 BN		SG
IC.....2		50.05.0279	SG 3524 BN		SG
IC.....3		50.05.0279	SG 3524 BN		SG
IC.....4		50.05.0286	LM 358 N	LM 358 P	Mot,NS,TI
IC.....5		50.05.0286	LM 358 N	LM 358 P	Mot,NS,TI
IC.....6		50.06.0123	74 LS 123N		Mot,TI
IC.....7		50.05.0283	LM 393 N	LM 393 P, TD801930P	NS,Thos,FI
IC.....8		50.10.0104	LM 317 T	LM 317 KC, LM 317 SP	Mot,NS,SGS,Thos,TI
L.....1		1.022.217.00	11.5 uH	HF-Coil	St
L.....2		1.022.202.00	16.9 mH		St
L.....3		1.022.202.00	16.9 mH		St
L.....4		62.01.0128	1 mH	see note 1	
L.....5		1.022.189.00	130 uH		St
L.....6		1.022.217.00	11.5 uH	HF-Coil	St
L.....7		1.022.217.00	11.5 uH	HF-Coil	St
Q.....1		50.03.0523	ZTX 651 S		Fe
Q.....2		50.03.0551	BC 639		Mot,Ph
Q.....3		50.03.0551	BC 639		Mot,Ph
Q.....4		50.03.0517	2 SC 3012		NEC
Q.....5		50.03.0517	2 SC 3012		NEC
Q.....6		50.03.0517	2 SC 3012		NEC
R.....1		57.11.4272	2.7 kOhm	5%	
R.....2		57.11.3472	4.7 kOhm	5%	
R.....3		57.11.3103	10 kOhm	5%	
R.....4		57.11.4390	39 Ohm	5%	
R.....5		57.11.3472	4.7 kOhm	1%	
R.....6		58.05.0501	500 Ohm	see note 2	
R.....7		57.11.3222	2.2 kOhm	5%	
R.....8		57.11.3222	2.2 kOhm	1%	
R.....9		57.11.3183	18 kOhm	1%	
R.....10		57.11.3470	47 Ohm	1%	
R.....11		57.11.3222	2.2 kOhm	5%	
R.....12		57.11.3472	4.7 kOhm	1%	
R.....13		57.11.4390	39 Ohm	5%	
R.....14		57.11.3103	10 kOhm	5%	
R.....15		57.11.3222	2.2 kOhm	1%	
R.....16		57.11.4823	82 kOhm	2%	
R.....17		57.11.3183	18 kOhm	1%	
R.....18		57.11.3680	68 Ohm	1%	
R.....19		57.11.4823	82 kOhm	2%	
R.....20		57.11.3472	4.7 kOhm	1%	
R.....21		58.05.0501	500 Ohm	see note 2	
R.....22		57.11.4331	330 Ohm	2%	
R.....23		57.11.3470	47 Ohm	1%	
R.....24		57.11.3680	68 Ohm	1%	
R.....25		57.11.3103	10 kOhm	5%	
R.....26		57.11.4390	39 Ohm	5%	
R.....27		57.11.3470	47 Ohm	1%	
R.....28		57.11.3680	68 Ohm	1%	
R.....29		57.11.3681	680 Ohm	1%	
R.....30		57.11.3183	18 kOhm	1%	
R.....31		57.11.3222	2.2 kOhm	5%	
R.....32		57.11.4330	33 Ohm	2%	
R.....33		57.11.3132	1.3 kOhm	1%	
R.....34		57.11.3132	1.3 kOhm	1%	
R.....35		57.11.3131	130 Ohm	1%	
R.....36		57.11.3222	2.2 kOhm	5%	
R.....37		57.11.3183	18 kOhm	1%	
R.....38		57.11.3183	18 kOhm	1%	
R.....39		57.11.3202	2 kOhm	1%	
R.....40		57.11.3202	2 kOhm	1%	
R.....41		57.11.4390	39 Ohm	5%	
R.....42		57.11.3113	11 kOhm	1%	
R.....43		57.11.3222	2.2 kOhm	1%	
R.....44		57.11.3103	10 kOhm	1%	
R.....45		57.11.3222	2.2 kOhm	1%	
R.....46		57.11.3222	2.2 kOhm	1%	
R.....47		57.11.3183	18 kOhm	1%	
R.....48		57.11.3183	18 kOhm	1%	
R.....49		57.11.3183	18 kOhm	1%	
R.....50		57.11.3183	18 kOhm	1%	
R.....51		57.11.3103	10 kOhm	5%	
R.....52		57.11.3222	2.2 kOhm	1%	
R.....53		57.11.3222	2.2 kOhm	1%	
R.....54		57.11.3822	8.2 kOhm	1%	
R.....55		57.11.4105	1 MOhm	2%	
R.....56		57.11.4102	1 kOhm	2%	
R.....57		57.11.3222	2.2 kOhm	1%	
R.....58		57.11.3333	33 kOhm	1%	
R.....59		57.11.3182	1.8 kOhm	5%	
R.....60		57.11.4102	1 kOhm	5%	
R.....61		57.11.3182	1.8 kOhm	5%	
R.....62		57.11.4272	2.7 kOhm	5%	
R.....63		57.11.4272	2.7 kOhm	5%	
R.....64		57.11.4102	1 kOhm	5%	
R.....65		57.11.4102	1 kOhm	5%	
R.....66		57.11.4102	1 kOhm	5%	
R.....67		57.11.3101	100 Ohm	1%	
R.....68		57.11.3182	1.8 kOhm	5%	
R.....69		57.11.4102	1 kOhm	5%	
S.....1		55.99.0133		see note 3	
T.....1		1.022.253.00		Power Supply Drive Transformer	St
T.....2		1.022.224.00		Power Supply Transformer	St
T.....3		1.022.224.00		Power Supply Transformer	St
W.....1		not used		Wire Bridge	

Note 1 - 1 mH Inductivity, 10%
Gowanda Nr. 17 - 104, 1 mH
Delevan Nr. 1641 - 105, 1 mH

Note 2 - 500 Ohm Potentiometer lin., 10%
Bourns Nr. 3296 Z -1- 501
Spectrol Nr. 64 Z 501 T 000
Murata Nr. PDT 3105 Z - 1 - 501

Note 3 - Thermo-switch, 90 degrees Celsius
Electrovac Nr. 28030.2

Ce=Ceramic, El=Electrolytic, Sal=Solid aluminium, PP=Polypropylen, PETP=Polyesterfilm

MANUFACTURER: Fc=Fairchild, Fe=Ferranti, ITT=Intermetall,
Mot=Motorola, NEC=Nippon Electric Corporation,
NS=National Semiconductors, Ph=Philips, Ses=Sescosem,
SG=Silicon General, SGS=SGS-Ates, Sie=Siemens,
St=Studer, Tf=Telefunken, Thos=Thomson-CSF,
TI=Texas Instruments.

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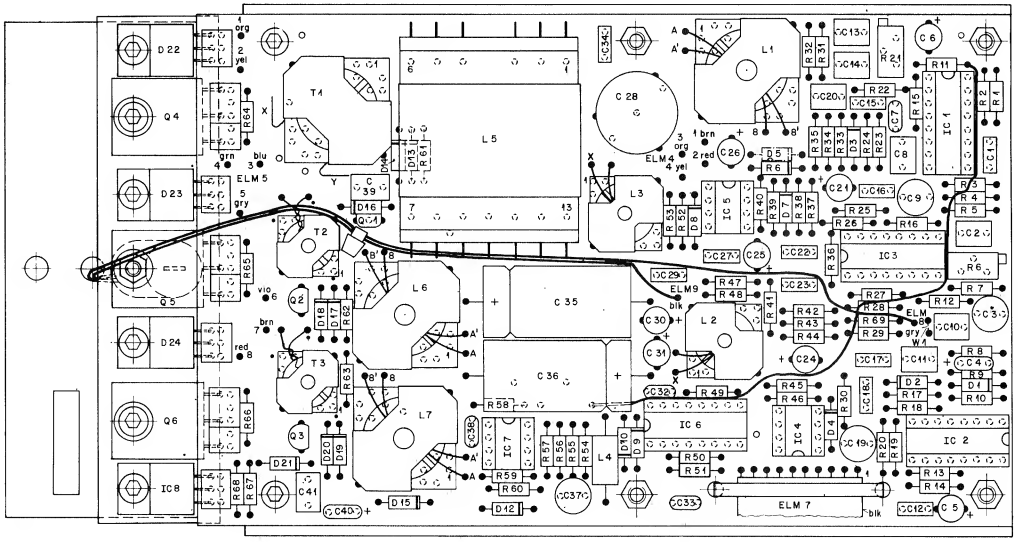
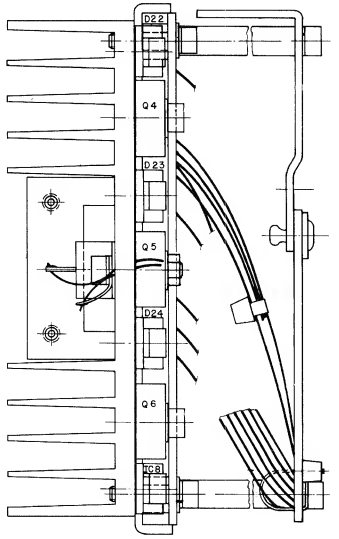
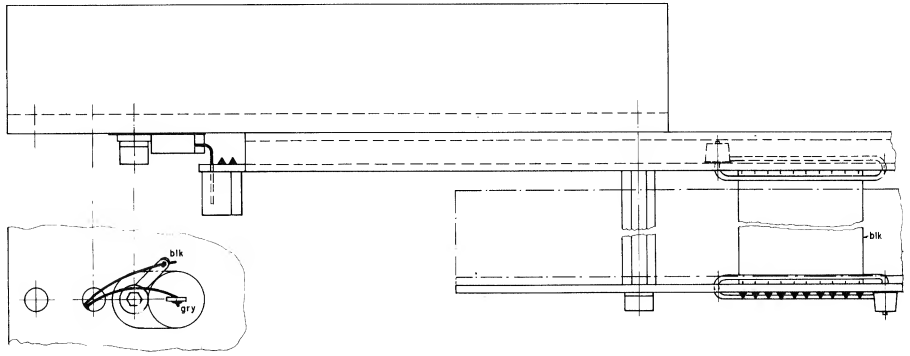
SWITCHING STABILIZER 1.820.790.00 PAGE 3 (LAST)







IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
A....	1	1.820.792.00		Stabilizer/Limiter Board	SE
C....	1	59.06.0103	10 nF	10%, 63V, PETP	
C....	2	59.06.0334	0.33 uF	10%, 63V, PETP	
C....	3	59.05.2332	3.3 nF	2.5%, 160V, PP	
C....	4	59.26.5479	4.7 uF	20%, 25V, Sal	Ph
C....	5	59.22.6100	10 uF	-20%, 35V, El	
C....	6	59.22.6100	10 uF	-20%, 35V, El	
C....	7	59.34.0229	2.2 pF	63V, Co	
C....	8	59.06.5105	1 uF	5%, 63V, PETP	
C....	9	59.05.2332	3.3 nF	2.5%, 160V, PP	
C....	10	59.06.5105	1 uF	5%, 63V, PETP	
C....	11	59.06.5105	1 uF	5%, 63V, PETP	
C....	12	59.06.0103	10 nF	10%, 63V, PETP	
C....	13	59.06.0334	0.33 uF	10%, 63V, PETP	
C....	14	59.06.5105	1 uF	5%, 63V, PETP	
C....	15	59.32.1330	33 pF	10%, Co	
C....	16	59.06.0103	10 nF	10%, 63V, PETP	
C....	17	59.06.5104	0.1 uE	5%, 63V, PETP	
C....	18	59.06.5104	0.1 uF	5%, 63V, PETP	
C....	19	59.05.2332	3.3 nF	2.5%, 160V, PP	
C....	20	59.06.5105	1 uF	5%, 63V, PETP	
C....	21	59.22.6100	10 uF	-20%, 35V, El	
C....	22	59.06.5104	0.1 uF	5%, 63V, PETP	
C....	23	59.06.5104	0.1 uF	5%, 63V, PETP	
C....	24	59.22.6100	10 uF	-20%, 35V, El	
C....	25	59.22.6100	10 uF	-20%, 35V, El	
C....	26	59.22.3470	47 uF	-20%, 10V, El	
C....	27	59.06.5104	0.1 uF	5%, 63V, PETP	
C....	28	59.22.4222	2200 uF	-20%, 16V, El	
C....	29	59.06.5104	0.1 uF	5%, 63V, PETP	
C....	30	59.22.5220	22 uF	-20%, 25V, El	
C....	31	59.22.5220	22 uF	-20%, 25V, El	
C....	32	59.34.2270	27 pF	10%, Co	
C....	33	59.34.2270	27 pF	10%, Co	
C....	34	59.06.0474	0.47 uF	10%, 63V, PETP	
C....	35	59.29.4102	1000 uF	-20%, 25V, El	
C....	36	59.29.4102	1000 uF	-20%, 25V, El	
C....	37	59.05.2472	4.7 nF	2.5%, 160V, PP	
C....	38	59.32.1101	100 pF	10%, Co	
C....	39	59.06.0474	0.47 uF	10%, 63V, PETP	
C....	40	59.26.9109	1 uF	-20%, 40V, Sal	Ph
C....	41	59.06.0334	0.33 uE	10%, 63V, PETP	
D....	1	50.04.0127	BAT 85	BAS 40-02	Ph,Sie
D....	2	50.04.0127	BAT 85	BAS 40-02	Ph,Sie
D....	3	50.04.0127	BAT 85	BAS 40-02	Ph,Sie
D....	4	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,TF
D....	5		not used		
D....	6	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,TF
D....	7	50.04.1102	6.8 V Z	BZX83C6V8, BZX55C6V8, ZPD6.8	ITT,Ses
D....	8	50.04.1102	6.8 V Z	BZX83C6V8, BZX55C6V8, ZPD6.8	ITT,Ses
D....	9	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,TF
D....	10	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,TF
D....	12	50.04.0127	BAT 85	BAS 40-02	Ph,Sie
D....	13	50.04.0512	1N 5818	1N 5819	Mot
D....	14	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,TF
D....	15	50.04.0105	1N4002	(... 4007)	Mot
D....	16	50.04.0127	BAT 85	BAS 40-02	Ph,Sie
D....	17	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,TF
D....	18	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,TF
D....	19	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,TF
D....	20	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,TF
D....	21	50.04.0105	1N4002	(... 4007)	Mot
D....	22	50.04.0517	BYX 32-200		Ph
D....	23	50.04.0517	BYX 32-200		Ph
D....	24	50.04.0517	BYX 32-200		Ph

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC....	1	50.05.0279	SG 3524 8N		SG
IC....	2	50.05.0279	SG 3524 8N		SG
IC....	3	50.05.0279	SG 3524 8N		SG
IC....	4	50.05.0286	LM 358 N	LM 358 P	Mot,NS,TI
IC....	5	50.05.0286	LM 358 N	LM 358 P	Mot,NS,TI
IC....	6	50.17.1123	74 HC 123N		Mot,NS,TI
IC....	7	50.05.0283	LM 393 N	LM 393 P, TL001930P	NS,Thos,TI
IC....	8	50.10.0104	LM 317 T	LM 317 NC, LM 317 SP	Mot,NS,SGS,Thos,TI
L....	1	1.022.217.00	11.5 uH	HF-Coil	St
L....	2	1.022.202.00	16.9 mH		St
L....	3	1.022.202.00	16.9 mH		St
L....	4	92.01.0128	1 mH	see note 1	
L....	5	1.022.189.00	130 uH		St
L....	6	1.022.217.00	11.5 uH	HF-Coil	St
L....	7	1.022.217.00	11.5 uH	HF-Coil	St
Q....	1	50.03.0523	ZTX 651 S		Fe
Q....	2	50.03.0551	BC 639		Mot,Ph
Q....	3	50.03.0551	BC 639		Mot,Ph
Q....	4	50.03.0517	2 SC 3012		NEC
Q....	5	50.03.0517	2 SC 3012		NEC
Q....	6	50.03.0517	2 SC 3012		NEC
R....	1	57.11.4272	2.7 kOhm	5%	
R....	2	57.11.3472	4.7 kOhm	5%	
R....	3	57.11.3103	10 kOhm	5%	
R....	4	57.11.4390	39 Ohm	5%	
R....	5	57.11.3472	4.7 kOhm	1%	
R....	6	58.05.0501	500 Ohm	see note 2	
R....	7	57.11.3222	2.2 kOhm	5%	
R....	8	57.11.3222	2.2 kOhm	1%	
R....	9	57.11.3183	18 kOhm	1%	
R....	10	57.11.3470	47 Ohm	1%	
R....	11	57.11.3222	2.2 kOhm	5%	
R....	12	57.11.3472	4.7 kOhm	1%	
R....	13	57.11.4390	39 Ohm	5%	
R....	14	57.11.3103	10 kOhm	5%	
R....	15	57.11.3222	2.2 kOhm	1%	
R....	16	57.11.4823	82 kOhm	2%	
R....	17	57.11.3183	18 kOhm	1%	
R....	18	57.11.3680	68 Ohm	1%	
R....	19	57.11.4823	82 kOhm	2%	
R....	20	57.11.3472	4.7 kOhm	1%	
R....	21	58.05.0501	500 Ohm	see note 2	
R....	22	57.11.4331	330 Ohm	2%	
R....	23	57.11.3470	47 Ohm	1%	
R....	24	57.11.3680	68 Ohm	1%	
R....	25	57.11.3103	10 kOhm	5%	
R....	26	57.11.4390	39 Ohm	5%	
R....	27	57.11.3470	47 Ohm	1%	
R....	28	57.11.3680	68 Ohm	1%	
R....	29	57.11.3681	680 Ohm	1%	
R....	30	57.11.3183	18 kOhm	1%	
R....	31	57.11.3222	2.2 kOhm	5%	
R....	32	57.11.4330	33 Ohm	2%	
R....	33	57.11.3132	1.3 kOhm	1%	
R....	34	57.11.3132	1.3 kOhm	1%	
R....	35	57.11.3131	130 Ohm	1%	
R....	36	57.11.3222	2.2 kOhm	5%	
R....	37	57.11.3183	18 kOhm	1%	
R....	38	57.11.3183	18 kOhm	1%	
R....	39	57.11.3202	2 kOhm	1%	
R....	40	57.11.3202	2 kOhm	1%	
R....	41	57.11.4390	39 Ohm	5%	
R....	42	57.11.3113	11 kOhm	1%	
R....	43	57.11.3222	2.2 kOhm	1%	
R....	44	57.11.3103	10 kOhm	1%	
R....	45	57.11.3222	2.2 kOhm	1%	
R....	46	57.11.3222	2.2 kOhm	1%	
R....	47	57.11.3183	18 kOhm	1%	
R....	48	57.11.3183	18 kOhm	1%	
R....	49	57.11.3183	18 kOhm	1%	
R....	50	57.11.3183	18 kOhm	1%	
R....	51	57.11.3103	10 kOhm	5%	
R....	52	57.11.3222	2.2 kOhm	1%	
R....	53	57.11.3222	2.2 kOhm	1%	
R....	54	57.11.3822	8.2 kOhm	1%	
R....	55	57.11.4105	1 MOhm	2%	
R....	56	57.11.4102	1 kOhm	2%	
R....	57	57.11.3222	2.2 kOhm	1%	
R....	58	57.11.3333	33 kOhm	1%	
R....	59	57.11.3182	1.8 kOhm	5%	
R....	60	57.11.4102	1 kOhm	5%	
R....	61	57.11.3182	1.8 kOhm	5%	
R....	62	57.11.4272	2.7 kOhm	5%	
R....	63	57.11.4272	2.7 kOhm	5%	
R....	64	57.11.4102	1 kOhm	5%	
R....	65	57.11.4102	1 kOhm	5%	
R....	66	57.11.4102	1 kOhm	5%	
R....	67	57.11.3101	100 Ohm	1%	
R....	68	57.11.3182	1.8 kOhm	5%	
R....	69	57.11.4102	1 kOhm	5%	
S....	1	55.99.0133		see note 3	
T....	1	1.022.253.00		Power Supply Drive Transformer	St
T....	2	1.022.224.00		Power Supply Transformer	St
T....	3	1.022.224.00		Power Supply transformer	St
W....	1		not used	Wire bridge	
W....	2	1.010.117.64		Wire bridge	St

Note 1 - 1 mH Inductivity, 10%
Gowanda Nr. IF - 104, 1 mH
Delevan Nr. 1641 - 105, 1 mH

Note 2 - 500 Ohm Potentiometer Lin, 10%
Bourns Nr. 3296 Z -1 - 501
Spectrol Nr. 64 Z 501 T 000
Murata Nr. PDT 3105 Z - 1 - 501

Note 3 - Thermo-switch, 90 degrees Celsius
Electrovac Nr. 28030-2

Ce=Ceramic, El=Electrolytic, Sal=Solid aluminium, PP=Polypropylen, PETP=Polyesterfilm

MANUFACTURER: Fc=Fairchild, Fe=Ferranti, ITT=Intermetall, Mot=Motorola, NEC=Nippon Electric Corporation, NS=National Semiconductors, Ph=Philips, Ses=Sescosem, SG=Silicon General, SGS=SGS-Ates, Sie=Siemens, St=Studer, TF=Telefunken, Tho=Thomson-CSF, TI=Texas Instruments.

ORIG 85/10/17

STUDER (00) 85/10/17 LN SWITCHING STABILIZER BOARD 1.820.790.81

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STUDER (00) 85/10/17 LN SWITCHING STABILIZER BOARD 1.820.790.81

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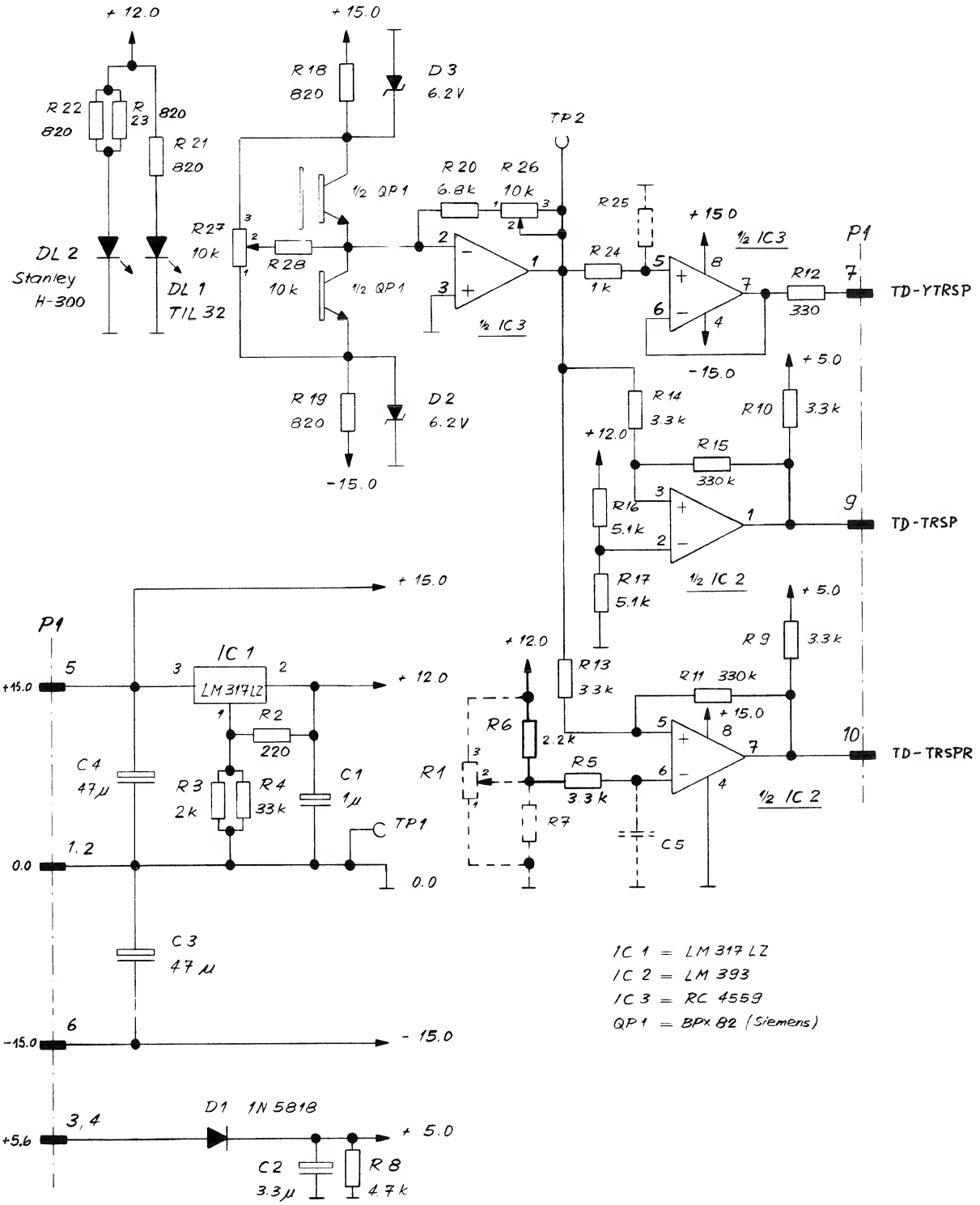
OPTO SENSOR 1.820.793.81 PAGE 1

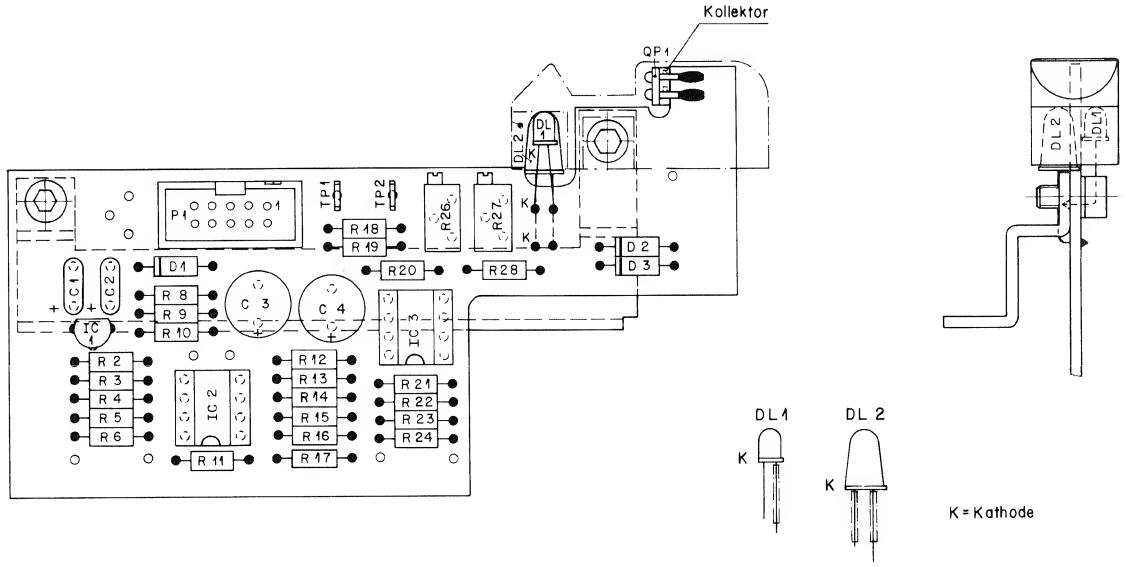


IC 1 = LM 317 LZ
IC 2 = LM 393
IC 3 = RC 4559
QP 1 = BPx 82 (Siemens)

4.4.85 Ck		A 820 Tape Transport Section	
STUDER	Opto Sensor	SC 1.820.793.81	PAGE 1 OF 1

PUBLISHED: 08/86

OPTO SENSOR 1.820.793.81 PAGE 2 (LAST)



K = Kathode

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.26.9109	1.0 uF	20%, 40V , Sal	Ph
	C.....2	59.26.2339	3.3 uF	20%, 16V , Sal	Ph
	C.....3	59.22.5470	47 uF	20%, 25V , El	
	C.....4	59.22.5470	47 uF	20%, 25V , El	
	C.....5			not used	
	D.....1	50.04.0512	1N 5818	1N 5819	Mot
	D.....2	50.04.1118	6.2 V	5%, .40W,Z	ITT,Ses
	D.....3	50.04.1118	6.2 V	5%, .40W,Z	ITT,Ses
	DL....1	50.04.2110	TIL 32	OP 160	Op,TI
	DL....2	50.04.2155	H-300	LED,red	Sty
	IC....1	50.10.0108	LM 317 LZ		Mot,Nat
	IC....2	50.05.0283	LM 393 N	LM 393 P	NS,TI
	IC....3	50.09.0107	RC 4559NB	UPC 4559	Ra,NEC
	P.....1	54.14.2001		see note 1	
	QP....1	50.04.2154	BPX 82		Sie
	R.....1			not used	
	R.....2	57.11.3221	220 Ohm	1%	
	R.....3	57.11.3202	2 kOhm	1%	
	R.....4	57.11.4333	33 kOhm	2%	
	R.....5	57.11.4332	3.3 kOhm	2%	
	R.....6	57.11.4222	2.2 kOhm	2%	
	R.....7			not used	
	R.....8	57.11.4472	4.7 kOhm	2%	
	R.....9	57.11.4332	3.3 kOhm	2%	
	R....10	57.11.4332	3.3 kOhm	2%	
	R....11	57.11.4334	330 kOhm	2%	
	R....12	57.11.4331	330 Ohm	2%	
	R....13	57.11.4332	3.3 kOhm	2%	
	R....14	57.11.4332	3.3 kOhm	2%	
	R....15	57.11.4334	330 kOhm	2%	
	R....16	57.11.3512	5.1 kOhm	1%	

INO.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....17	57.11.3512	5.1 kOhm	1%	
	R....18	57.11.4821	820 Ohm	2%	
	R....19	57.11.4821	820 Ohm	2%	
	R....20	57.11.4682	6.8 kOhm	2%	
	R....21	57.11.4821	820 Ohm	2%	
	R....22	57.11.4821	820 Ohm	2%	
	R....23	57.11.4821	820 Ohm	2%	
	R....24	57.11.4102	1.0 kOhm	2%	
	R....25			not used	
	R....26	58.05.0103	10 kOhm	see note 2	
	R....27	58.05.0103	10 kOhm	see note 2	
	R....28	57.11.4103	10 kOhm	2%	
	TP....1	54.02.0320		test pin	
	TP....2	54.02.0320		test pin	

Note 1 - Connector: Yamaichi Nr. FAP-10-08-40SS
Burndy Nr. BPH 9 B 16 B00 GS

Note 2 - Potentiometer: Bourns Nr. 3296 Z - 1 - 103
Spectrol Nr. 64 Z 103 T 000

El=Electrolytic, Sal=Solid Aluminium

Manufacturer: ITT=Intermetall, Mot=Motorola, Nat=National,
NS=National Semiconductors, NEC=Nippon Electric Corp.,
Op=Optron, Ph=Philips, Ra=Raytheon, Ses=Sescosem,
Sie=Siemens, Sty=Stanley, TI=Texas Instruments.

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